

National Compensation Survey: Occupational Wages in the New England Census Division, 1998



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Preface

The National Compensation Survey (NCS) provides comprehensive measures of occupational earnings, compensation cost trends, and detailed benefit provisions. It integrates three Bureau of Labor Statistics (BLS) programs—the Occupational Compensation Survey (OCS), the Employment Cost Index (ECI), and the Employee Benefits Survey (EBS). OCS provides data on occupational earnings; the ECI measures changes in labor costs, as well as average hourly employer costs for employee compensation; and the EBS provides information on detailed benefit provisions. When fully integrated, the NCS will provide data on benefit costs and provisions as well as wages. This bulletin, a product of the first phase of the NCS, focuses on occupational earnings.

The NCS replaced the Occupational Compensation Survey (OCS) with the release of the 1997 data. The major difference between these two surveys is that the OCS used the same preselected list of occupations for all localities. The NCS uses a probability-based sample of establishments and occupations that is intended to more fully represent the employment patterns and occupational mix of each locality.

This bulletin presents aggregate pay data from the metropolitan and nonmetropolitan local area surveys conducted in the New England census division. (See Technical Note.) It provides estimates of occupational pay for the census division, as well as selected data on worker and establishment characteristics.

NCS bulletins are published for each of the nine census divisions: New England, Middle Atlantic, East North Cen-

tral, West North Central, South Atlantic, East South Central, West South Central, Mountain, and Pacific. (See Technical Note.) Data also are published for some individual localities, as well as for the entire United States. The census division publications may be useful to NCS data users in localities for which separate data were not published.

For additional information regarding the National Compensation Survey, contact the information staff in the BLS National Office at (202) 691-6199. You can also write to the Bureau of Labor Statistics, Division of Compensation Data Analysis and Planning, 2 Massachusetts Avenue, NE, Room 4175, Washington, DC 20212-0001, or send e-mail to **OCLTINFO@bls.gov**.

The Bureau's Office of Compensation and Working Conditions developed and produced this bulletin. The Directorate of Survey Processing coordinated the data file formation and tabulations. Field economists from the Bureau's regional offices, under the direction of the Assistant Regional Commissioners for Operations, collected the survey data. The Bureau thanks all survey respondents for their cooperation, without which this bulletin would not have been possible.

The data presented in this bulletin also are displayed in a Portable Document Format (PDF) on the BLS Internet site (<http://stats.bls.gov/comhome.htm>). Material in the bulletin is in the public domain and, with appropriate credit, may be reproduced without permission. This information will be made available to sensory impaired individuals upon request. Voice phone: (202) 691-5200; Federal Relay Service: 1-800-326-2577.

Contents

	<i>Page</i>
Occupational Wages in the New England Census Division, 1998	1
Tables:	
Table 1. Summary, New England: Mean hourly earnings and weekly hours by selected characteristics, private industry and State and local government	3
Table 2. Summary, New England: Mean hourly earnings and weekly hours by selected characteristics, metropolitan and nonmetropolitan areas	4
Table 3. Selected occupations, New England: Mean hourly earnings and weekly hours for full-time and part-time workers	5
Table 4. Selected occupations, New England, private industry: Mean hourly earnings for full-time and part-time workers	10
Table 5. Selected occupations, New England, State and local government: Mean hourly earnings and weekly hours for full-time and part-time workers	15
Table 6. Occupations and levels, New England: Mean hourly earnings and weekly hours, private industry and State and local government	17
Technical note	32
Table A. Number of establishment represented by the survey and number studied by industry group and establishment employment size, New England	34
Table B. Number of workers represented by survey, by occupational group, New England	35

Occupational Wages in the New England Census Division, 1998

Overview

This bulletin provides 1998 National Compensation Survey (NCS) estimates of occupational pay in the New England census division. The bulletin highlights average (mean) hourly pay for workers by seven characteristics:

- Private industry and State and local government
- Metropolitan and nonmetropolitan areas
- Selected occupations and major occupational groups
- Full-time and part-time status
- Bargaining status
- Size of establishment
- Work level

Wages in the New England census division averaged \$17.38 per hour during 1998. Workers in metropolitan areas in the New England region averaged \$17.75 per hour, while pay of workers in nonmetropolitan areas averaged \$14.75 per hour. The nationwide hourly average for all workers covered by the survey was \$15.72.

Table 1 provides an overview of average pay for workers in private industry and State and local government by selected worker and establishment characteristics. For example, white-collar workers in private industry averaged \$20.38 per hour; blue-collar workers averaged \$12.97; and service workers, \$8.84. Corresponding averages in State and local government were \$24.20, \$16.59, and \$15.57. Generally, average hourly earnings for private industry workers were lower than those for State and local government workers. Part of this difference can be explained by differences in the occupational and industrial mix of the two sectors. For example, professional specialty and technical occupations are proportionately more prevalent in State and local government than in private industry. With the exception of the construction industry, few State and local government workers are in goods-producing industries.

Table 2 provides an overview of average pay data by worker and establishment characteristics in metropolitan and nonmetropolitan areas. For example, white-collar workers in metropolitan areas averaged \$21.35 per hour; blue-collar

workers averaged \$13.80; and service workers, \$10.90. Corresponding averages in nonmetropolitan areas were \$19.67, \$10.00, and \$8.24. See the Technical Note for definitions of metropolitan and nonmetropolitan areas. Full-time workers in the New England region averaged \$18.38 per hour while part-time workers averaged \$10.55. In metropolitan areas, pay of full-time workers averaged \$18.76 an hour, and part-time workers averaged \$10.55. For workers in nonmetropolitan areas, average hourly pay was \$15.57 and \$10.57, respectively. Full-time or part-time designation is determined by the employer.

Workers in the largest establishments, those with 2,500 or more employees, earned an average of \$21.29. Workers in the smallest establishments studied (50-99 employees) averaged \$12.90.

Among the nine census divisions, average earnings were generally highest in the New England, Middle Atlantic, and Pacific regions. Average earnings for all census divisions, and for other characteristics, can be seen in tables 1 and 2.

Full-time, part-time, and combined average pay rates for occupations in private industry and in State and local government are shown in tables 3, 4, and 5. These tables contain wage rates, and mean weekly hours for individual occupations and for major occupational groups. All registered nurses, for example, averaged \$21.82 per hour (table 3). Registered nurses in private industry averaged \$21.56 (table 4), while their counterparts in State and local government averaged \$24.35 per hour (table 5). Laborers, except construction, averaged \$9.83 in private industry and \$14.14 in State and local government. Janitors and cleaners, a service occupation, averaged \$9.51 in private industry and \$12.55 in State and local government.

Earnings by occupational group and work level are shown in table 6. In determining the work level, the Bureau applies a "generic leveling" technique to all occupations selected during the collection process, using 10 criteria to level occupations. Use of this technique tends to show higher pay at higher levels. For example, mean hourly earnings for white-collar workers ranged from \$6.99 at level 1 to \$56.84 at level 14. For blue-collar workers mean hourly earnings ranged from \$8.11 at level 1 to \$24.76 at level 9 (the highest for that occupational group). Mean hourly earnings for service work-

ers ranged from \$7.54 at level 1 to \$26.64 at level 10. The Technical Note has more information on generic leveling.

Table A in the Technical Note shows the number of establishments studied in the New England census division by employment size; more establishments were studied in the 100- to 499-worker group than in any other size category.

This table also shows the number of establishments represented. Table B in the Technical Note shows the number of workers represented by the surveys in the New England census division by major occupational groups, such as professional specialty and technical, sales, and transportation and material moving.

Table 1. Summary, New England: Mean hourly earnings¹ and weekly hours by selected characteristics, private industry and State and local government, National Compensation Survey,² 1998

Worker and establishment characteristics, and geographic areas	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error (percent)		Mean	Relative error (percent)		Mean	Relative error (percent)	
Total	\$17.38	1.4	35.1	\$16.50	1.7	35.0	\$21.35	1.3	35.5
Worker characteristics:³									
White-collar occupations ⁴	21.17	1.4	35.5	20.38	1.7	35.7	24.20	1.8	34.6
Professional specialty and technical ...	25.65	1.2	35.0	24.32	1.5	35.3	29.34	2.3	34.3
Executive, administrative, and managerial	28.54	2.1	39.7	28.60	2.4	40.4	28.25	3.7	36.8
Sales	14.56	7.1	30.3	14.53	7.2	30.2	15.72	5.5	35.7
Administrative support	12.93	1.7	35.9	12.83	1.8	36.5	13.31	3.0	34.0
Blue-collar occupations ⁴	13.24	2.6	37.7	12.97	2.7	37.6	16.59	2.7	39.4
Precision production, craft, and repair Machine operators, assemblers, and inspectors	17.72	2.1	39.9	17.67	2.4	39.9	18.06	4.2	39.9
Transportation and material moving ...	11.04	3.1	38.6	10.95	3.1	38.6	16.52	8.4	38.6
Handlers, equipment cleaners, helpers, and laborers	14.91	2.7	37.7	14.63	3.1	37.5	16.76	3.7	38.6
Service occupations ⁴	10.46	4.5	33.6	10.20	5.1	33.1	13.28	3.0	39.3
	10.56	1.6	30.8	8.84	1.4	29.2	15.57	1.7	36.7
Full time	18.38	1.5	39.1	17.55	1.9	39.5	21.77	1.4	37.5
Part time	10.55	1.8	20.6	10.27	2.0	20.8	13.93	5.3	18.6
Union	19.06	1.2	35.4	15.80	2.2	34.3	21.48	1.6	36.2
Nonunion	16.77	1.9	35.0	16.61	2.0	35.1	20.68	3.8	32.4
Time	17.36	1.4	35.1	16.46	1.7	35.0	21.35	1.3	35.5
Incentive	18.57	15.1	34.0	18.57	15.1	34.0	-	-	-
Establishment characteristics:									
Goods producing	(⁵)	(⁵)	(⁵)	17.04	3.3	39.5	(⁵)	(⁵)	(⁵)
Service producing	(⁵)	(⁵)	(⁵)	16.22	1.8	33.0	(⁵)	(⁵)	(⁵)
50-99 workers ⁶	12.90	5.7	33.1	12.79	5.9	33.1	15.97	3.9	34.8
100-499 workers	16.27	1.8	34.5	15.59	2.0	34.5	20.46	3.0	34.6
500-999 workers	19.61	2.4	37.0	18.99	3.0	37.3	21.90	2.1	35.8
1000-2499 workers	20.55	4.3	36.4	20.00	5.4	36.7	22.52	3.2	35.5
2500 workers or more	21.29	1.8	36.5	20.79	2.6	36.5	21.99	2.1	36.5
Geographic areas:⁷									
Metropolitan	17.75	1.2	35.2	16.88	1.5	35.1	21.71	1.2	35.6
Nonmetropolitan	14.75	3.6	34.2	13.70	6.0	33.9	19.04	1.1	35.5
New England	17.38	1.4	35.1	16.50	1.7	35.0	21.35	1.3	35.5
Middle Atlantic	18.10	1.5	35.8	17.14	1.8	35.8	21.72	1.6	35.5
East North Central	16.08	.8	36.2	15.44	.9	36.3	19.32	1.5	35.7
West North Central	14.85	1.6	36.5	14.05	1.9	36.3	17.87	1.2	37.0
South Atlantic	14.40	1.0	37.1	13.82	1.1	36.9	16.22	1.4	38.0
East South Central	11.87	2.3	37.7	11.21	2.6	37.9	15.93	2.2	36.8
West South Central	14.62	1.8	37.2	14.27	2.3	36.9	15.63	1.2	38.0
Mountain	14.58	2.7	36.4	13.30	2.9	36.4	18.32	2.9	36.4
Pacific	17.86	1.3	36.2	16.82	1.7	36.4	21.26	1.0	35.5

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, and holidays; nonproduction bonuses; and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighted by hours.

² In this census division, collection was conducted between May 1998 and April 1999. The average reference period was November 1998.

³ Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Union workers are those whose wages are determined through collective bargaining. Wages of time workers are based solely on hourly rate or salary; incentive workers are those whose wages are at least partially based on productivity payments such as piece rates, commissions, and production bonuses.

⁴ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. See Technical Note for more information.

⁵ Classification of establishments into goods-producing and service-producing industries applies to private industry only.

⁶ Establishments classified with 50-99 workers may contain establishments with fewer than 50 due to staff reductions between survey sampling and collection.

⁷ Data are presented for metropolitan and nonmetropolitan area divisions as well as 9 census area divisions. See Technical Note for a list of survey areas in each census area division and the States comprising the 9 census area divisions.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria.

Table 2. **Summary, New England: Mean hourly earnings¹ and weekly hours by selected characteristics, metropolitan and nonmetropolitan areas,² National Compensation Survey,³ 1998**

Worker and establishment characteristics, and geographic areas	Total			Metropolitan areas			Nonmetropolitan areas		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error (percent)		Mean	Relative error (percent)		Mean	Relative error (percent)	
Total	\$17.38	1.4	35.1	\$17.75	1.2	35.2	\$14.75	3.6	34.2
Private Industry	16.50	1.7	35.0	16.88	1.5	35.1	13.70	6.0	33.9
State and local government	21.35	1.3	35.5	21.71	1.2	35.6	19.04	1.1	35.5
Worker characteristics:⁴									
White-collar occupations ⁵	21.17	1.4	35.5	21.35	1.5	35.5	19.67	1.2	35.8
Professional specialty and technical ...	25.65	1.2	35.0	26.12	1.3	35.1	22.58	1.2	34.1
Executive, administrative, and managerial	28.54	2.1	39.7	28.71	2.3	39.5	27.02	3.0	41.2
Sales	14.56	7.1	30.3	14.49	7.6	30.0	15.61	5.0	34.4
Administrative support	12.93	1.7	35.9	13.12	1.6	35.9	11.29	5.5	36.3
Blue-collar occupations ⁵	13.24	2.6	37.7	13.80	1.4	37.6	10.00	9.6	38.7
Precision production, craft, and repair Machine operators, assemblers, and inspectors	17.72	2.1	39.9	17.92	2.3	39.9	15.57	2.8	40.4
Transportation and material moving ...	11.04	3.1	38.6	11.57	1.6	38.5	9.12	7.9	38.8
Handlers, equipment cleaners, helpers, and laborers	14.91	2.7	37.7	14.93	2.7	37.7	-	-	-
Service occupations ⁵	10.46	4.5	33.6	10.93	3.9	33.0	7.98	6.5	37.3
	10.56	1.6	30.8	10.90	1.7	31.6	8.24	1.5	26.2
Full time	18.38	1.5	39.1	18.76	1.3	39.1	15.57	4.9	39.5
Part time	10.55	1.8	20.6	10.55	2.0	20.7	10.57	5.3	20.3
Union	19.06	1.2	35.4	19.03	1.3	35.3	19.39	3.1	36.7
Nonunion	16.77	1.9	35.0	17.26	1.7	35.2	13.73	5.4	33.7
Time	17.36	1.4	35.1	17.73	1.2	35.2	14.78	3.6	34.2
Incentive	18.57	15.1	34.0	19.13	15.6	34.2	-	-	-
Establishment characteristics:									
Goods producing ⁶	17.04	3.3	39.5	17.59	2.5	39.5	13.64	14.7	39.4
Service producing ⁶	16.22	1.8	33.0	16.53	2.0	33.3	13.73	.3	31.1
50-99 workers ⁷	12.90	5.7	33.1	14.11	5.5	33.3	9.44	3.7	32.8
100-499 workers	16.27	1.8	34.5	16.34	2.0	34.7	15.75	5.0	33.3
500-999 workers	19.61	2.4	37.0	19.05	2.9	36.7	22.42	.3	38.4
1000-2499 workers	20.55	4.3	36.4	20.55	4.3	36.4	-	-	-
2500 workers or more	21.29	1.8	36.5	21.48	1.6	36.4	-	-	-
Geographic areas:⁸									
New England	17.38	1.4	35.1	17.75	1.2	35.2	14.75	3.6	34.2
Middle Atlantic	18.10	1.5	35.8	18.39	1.6	35.7	13.58	1.6	36.2
East North Central	16.08	.8	36.2	16.55	.8	36.2	13.55	1.3	36.5
West North Central	14.85	1.6	36.5	15.83	2.4	36.5	12.10	2.3	36.4
South Atlantic	14.40	1.0	37.1	14.89	.7	37.0	12.00	4.4	37.7
East South Central	11.87	2.3	37.7	13.88	2.2	36.9	9.97	4.3	38.6
West South Central	14.62	1.8	37.2	14.86	2.1	37.2	13.08	5.6	37.1
Mountain	14.58	2.7	36.4	14.73	3.4	36.5	13.99	3.3	36.0
Pacific	17.86	1.3	36.2	18.04	1.3	36.2	14.96	2.8	35.6

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, and holidays; nonproduction bonuses; and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighted by hours.

² Metropolitan areas can be a Metropolitan Statistical Area or Consolidated Metropolitan Statistical Area as defined by the Office of Management and Budget, 1994. Nonmetropolitan areas are counties that do not fit the definitions above. For more information, see Technical Note.

³ In this census division, collection was conducted between May 1998 and April 1999. The average reference period was November 1998.

⁴ Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Union workers are those whose wages are determined through collective bargaining. Wages of time workers are based solely on hourly rate or salary; incentive workers are those whose wages

are at least partially based on productivity payments such as piece rates, commissions, and production bonuses.

⁵ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. See Technical Note for more information.

⁶ Classification of establishments into goods-producing and service-producing industries applies to private industry only.

⁷ Establishments classified with 50-99 workers may contain establishments with fewer than 50 workers due to reduction in staff from the time of sampling to data collection.

⁸ See Technical Note for a list of survey areas in each census area division and the States comprising the 9 census area divisions.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria.

Table 3. Selected occupations, New England: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1998

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
All	\$17.38	1.4	35.1	\$18.38	1.5	39.1	\$10.55	1.8	20.6
All excluding sales	17.55	1.4	35.4	18.38	1.5	39.1	11.16	2.0	20.6
White collar	21.17	1.4	35.5	22.08	1.4	38.8	13.76	2.8	21.0
White collar excluding sales	21.87	1.3	36.2	22.36	1.3	38.7	16.65	2.7	21.2
Professional specialty and technical	25.65	1.2	35.0	26.32	1.2	38.2	20.42	2.3	21.2
Professional specialty	27.73	1.2	34.9	28.45	1.3	37.9	21.96	3.4	21.3
Engineers, architects, and surveyors	29.91	1.9	39.9	29.91	1.9	39.9	-	-	-
Chemical engineers	30.27	3.7	40.0	30.27	3.7	40.0	-	-	-
Civil engineers	26.65	6.9	38.9	26.65	6.9	38.9	-	-	-
Electrical and electronic engineers	32.04	3.3	40.1	32.04	3.3	40.1	-	-	-
Industrial engineers	26.85	3.9	40.8	26.85	3.9	40.8	-	-	-
Mechanical engineers	26.67	3.7	40.8	26.67	3.7	40.8	-	-	-
Engineers, n.e.c.	30.58	3.2	39.6	30.58	3.2	39.6	-	-	-
Mathematical and computer scientists	29.23	3.0	39.6	29.23	3.0	39.6	-	-	-
Computer systems analysts and scientists	29.87	3.3	39.6	29.87	3.3	39.7	-	-	-
Operations and systems researchers and analysts	24.51	4.9	39.3	24.51	4.9	39.3	-	-	-
Natural scientists	28.98	8.1	37.4	28.89	8.3	38.7	-	-	-
Chemists, except biochemists	29.88	17.2	38.8	29.88	17.2	38.8	-	-	-
Medical scientists	28.36	12.9	35.4	27.96	13.7	39.6	-	-	-
Health related	24.01	2.4	31.9	24.64	3.1	38.9	22.63	4.0	22.8
Physicians	43.64	9.8	38.3	43.44	13.2	42.4	-	-	-
Registered nurses	21.82	1.2	30.9	22.30	1.5	38.3	20.97	1.5	22.9
Pharmacists	26.37	2.5	34.4	27.22	3.1	40.1	-	-	-
Dietitians	17.93	3.6	30.6	-	-	-	-	-	-
Respiratory therapists	19.36	3.1	34.5	19.40	3.6	39.4	-	-	-
Occupational therapists	22.12	6.0	33.8	-	-	-	-	-	-
Physical therapists	23.09	7.0	32.8	-	-	-	31.48	14.5	15.0
Therapists, n.e.c.	20.53	10.5	32.8	-	-	-	-	-	-
Physicians' assistants	33.08	4.7	40.0	33.16	4.8	40.6	-	-	-
Teachers, college and university	39.87	3.1	34.8	40.54	3.1	37.1	29.11	15.3	17.4
Engineering teachers	51.82	21.0	27.8	-	-	-	-	-	-
Medical science teachers	40.95	5.0	34.5	-	-	-	-	-	-
Business, commerce, and marketing teachers ..	51.77	14.2	35.1	51.97	14.3	36.0	-	-	-
Art, drama, and music teachers	34.02	6.0	34.9	35.06	5.8	38.0	-	-	-
Education teachers	43.91	14.7	35.6	44.75	13.4	36.9	-	-	-
English teachers	40.43	7.6	34.7	40.81	7.7	35.4	-	-	-
Foreign language teachers	35.05	10.1	34.8	36.34	10.3	38.0	-	-	-
Trade and industrial teachers	29.13	4.7	36.6	-	-	-	-	-	-
Teachers, post secondary, subject not specified	35.61	11.0	33.3	36.60	11.2	35.0	-	-	-
Teachers, post secondary, n.e.c.	38.31	7.4	37.3	38.36	7.4	38.0	-	-	-
Teachers, except college and university	30.65	2.7	32.6	31.15	2.7	34.6	20.39	8.4	15.0
Prekindergarten and kindergarten	25.22	13.7	33.8	25.98	13.7	35.5	-	-	-
Elementary school teachers	32.45	2.6	34.0	32.45	2.6	34.0	-	-	-
Secondary school teachers	31.10	4.4	34.7	31.19	4.4	35.0	22.75	4.0	19.8
Teachers, special education	28.95	5.0	34.4	28.95	5.0	34.4	-	-	-
Teachers, n.e.c.	30.27	11.6	25.1	32.60	9.4	35.8	21.83	16.0	12.0
Substitute teachers	9.24	11.1	15.7	-	-	-	8.11	4.3	13.5
Vocational and educational counselors	28.58	4.7	32.5	27.52	10.4	35.9	31.73	17.3	25.4
Librarians, archivists, and curators	22.78	8.2	35.5	22.94	8.6	37.2	19.35	12.3	17.3
Librarians	22.80	8.8	36.6	22.86	9.1	37.4	-	-	-
Social scientists and urban planners	21.35	10.6	31.0	22.69	7.2	36.6	-	-	-
Economists	20.98	17.2	39.6	20.98	17.2	39.6	-	-	-
Psychologists	-	-	-	21.96	13.3	34.9	-	-	-
Social, recreation, and religious workers	16.77	4.0	34.6	16.82	4.2	37.7	16.24	5.7	18.7
Social workers	16.89	4.2	35.0	16.93	4.3	37.7	16.41	6.4	19.7
Recreation workers	14.28	7.6	27.5	-	-	-	-	-	-
Lawyers and judges	33.75	5.8	40.0	33.61	6.0	40.1	-	-	-
Lawyers	32.61	6.0	40.2	32.49	6.2	40.3	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	21.65	5.8	36.3	22.28	5.8	39.1	15.52	13.0	21.6
Technical writers	28.09	7.9	32.8	28.98	8.0	39.7	-	-	-
Designers	23.40	12.7	37.3	24.29	12.5	39.8	-	-	-

See footnotes at end of table.

Table 3. Selected occupations, New England: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1998–Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar –Continued									
Professional specialty and technical –Continued									
Professional specialty –Continued									
Writers, authors, entertainers, athletes, and professionals, n.e.c. –Continued									
Painters, sculptors, craft artists, and artist printmakers	\$15.84	6.4	37.9	–	–	–	–	–	–
Editors and reporters	22.18	15.0	39.2	\$22.18	15.0	39.2	–	–	–
Public relations specialists	19.91	8.7	37.9	20.11	9.4	38.0	–	–	–
Athletes	15.79	22.7	25.0	–	–	–	–	–	–
Professional, n.e.c.	23.39	12.2	36.2	26.24	7.1	38.6	–	–	–
Technical	17.91	2.7	35.5	18.27	2.9	39.5	\$15.37	3.5	20.8
Clinical laboratory technologists and technicians	15.92	4.4	35.8	16.01	4.9	39.4	15.20	4.9	20.0
Radiological technicians	21.52	5.6	29.4	22.20	7.4	39.1	20.16	5.7	19.7
Licensed practical nurses	15.79	1.7	29.3	16.28	1.8	39.0	15.05	2.8	21.3
Health technologists and technicians, n.e.c.	14.39	5.0	32.9	14.68	6.3	39.7	13.33	6.3	20.2
Electrical and electronic technicians	18.53	2.9	39.5	18.53	2.9	39.5	–	–	–
Mechanical engineering technicians	19.25	4.4	40.0	19.25	4.4	40.0	–	–	–
Engineering technicians, n.e.c.	21.03	6.7	37.4	21.14	6.9	39.7	–	–	–
Drafters	18.81	3.1	40.0	18.81	3.1	40.0	–	–	–
Chemical technicians	14.93	5.7	39.7	–	–	–	–	–	–
Science technicians, n.e.c.	15.73	4.4	39.3	15.71	4.4	39.3	–	–	–
Computer programmers	24.57	7.6	39.0	24.66	7.8	39.4	–	–	–
Legal assistants	20.33	13.1	39.3	20.33	13.1	39.3	–	–	–
Technical and related, n.e.c.	20.48	7.3	39.0	20.56	7.4	39.8	–	–	–
Executive, administrative, and managerial	28.54	2.1	39.7	28.60	2.1	40.0	20.09	3.9	17.5
Executives, administrators, and managers	33.54	2.4	39.9	33.62	2.4	40.3	20.94	5.8	14.0
Legislators	25.86	4.5	18.6	–	–	–	26.41	4.1	6.3
Administrators and officials, public administration	26.51	8.1	37.0	26.48	8.1	38.5	–	–	–
Financial managers	34.47	3.8	40.2	34.61	3.8	40.4	–	–	–
Personnel and labor relations managers	25.82	25.3	46.3	25.82	25.3	46.3	–	–	–
Purchasing managers	32.04	8.8	41.6	32.04	8.8	41.6	–	–	–
Managers, marketing, advertising, and public relations	40.55	8.4	40.9	40.55	8.4	40.9	–	–	–
Administrators, education and related fields	34.78	5.5	37.7	34.93	5.5	38.3	–	–	–
Managers, medicine and health	29.98	6.8	39.5	30.64	6.9	40.1	–	–	–
Managers, food servicing and lodging establishments	19.21	5.7	44.1	19.21	5.7	44.1	–	–	–
Managers, service organizations, n.e.c.	21.83	10.8	39.7	21.83	10.8	39.7	–	–	–
Managers and administrators, n.e.c.	37.36	3.4	40.5	37.36	3.4	40.5	–	–	–
Management related	21.21	1.8	39.4	21.22	1.8	39.6	19.16	5.8	24.1
Accountants and auditors	20.01	3.3	39.2	19.99	3.3	39.4	–	–	–
Underwriters	24.04	11.1	38.6	24.04	11.1	38.6	–	–	–
Other financial officers	24.27	3.2	39.6	24.31	3.2	39.9	–	–	–
Management analysts	24.72	5.8	39.2	24.67	5.8	39.3	–	–	–
Personnel, training, and labor relations specialists	19.99	5.4	39.8	19.99	5.4	39.8	–	–	–
Buyers, wholesale and retail trade, except farm products	23.55	7.4	41.3	23.55	7.4	41.3	–	–	–
Purchasing agents and buyers, n.e.c.	20.84	5.2	40.0	20.84	5.2	40.0	–	–	–
Construction inspectors	23.58	2.7	39.7	–	–	–	–	–	–
Inspectors and compliance officers, except construction	21.97	3.1	36.3	22.47	2.9	38.5	–	–	–
Management related, n.e.c.	20.98	4.3	39.6	21.01	4.4	39.7	–	–	–
Sales	14.56	7.1	30.3	18.46	7.9	40.0	7.18	1.9	20.7
Supervisors, sales	18.99	9.4	41.8	18.99	9.4	41.8	–	–	–
Insurance sales	25.35	4.2	39.8	25.35	4.2	39.8	–	–	–
Securities and financial services sales	29.47	24.5	41.4	29.47	24.5	41.4	–	–	–
Advertising and related sales	20.42	6.7	39.9	21.15	8.7	41.3	–	–	–

See footnotes at end of table.

Table 3. Selected occupations, New England: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1998–Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar –Continued									
Sales –Continued									
Sales, other business services	\$26.68	25.8	39.8	\$26.68	25.8	39.8	–	–	–
Sales representatives, mining, manufacturing, and wholesale	29.61	16.1	40.5	29.61	16.1	40.5	–	–	–
Sales workers, motor vehicles and boats	20.63	17.2	42.9	20.63	17.2	42.9	–	–	–
Sales workers, apparel	7.19	3.5	28.2	–	–	–	–	–	–
Sales workers, other commodities	10.50	10.5	27.6	12.65	11.7	38.7	\$7.38	4.6	19.5
Sales counter clerks	9.90	8.0	28.1	–	–	–	8.43	7.7	20.6
Cashiers	7.81	3.7	24.0	10.09	6.8	38.6	6.88	1.9	20.8
Sales support, n.e.c.	13.96	6.6	38.1	14.72	3.9	40.8	–	–	–
Administrative support, including clerical									
Supervisors, general office	12.93	1.7	35.9	13.21	1.7	38.5	10.05	2.9	21.4
Supervisors, financial records processing	17.26	4.8	39.6	17.24	4.9	40.8	–	–	–
Supervisors, distribution, scheduling, and adjusting clerks	19.33	7.4	39.3	19.33	7.4	39.3	–	–	–
Computer operators	20.33	1.2	39.2	20.33	1.2	39.2	–	–	–
Secretaries	15.64	4.7	37.6	15.83	4.9	38.8	–	–	–
Typists	14.65	1.7	36.7	14.78	1.8	38.4	12.69	4.7	21.7
Interviewers	12.98	3.2	33.9	13.31	2.6	36.4	–	–	–
Hotel clerks	11.60	2.3	32.7	11.77	2.8	39.5	11.05	2.2	20.7
Transportation ticket and reservation agents	9.28	4.8	31.7	9.14	4.2	37.6	–	–	–
Receptionists	13.74	2.4	37.6	14.22	5.1	40.0	12.31	6.2	31.7
Information clerks, n.e.c.	9.68	3.6	35.0	9.86	4.3	38.8	8.81	2.4	23.5
Correspondence clerks	14.07	10.0	35.2	14.29	11.3	37.5	–	–	–
Order clerks	12.44	9.8	34.4	12.44	9.5	37.8	–	–	–
Personnel clerks, except payroll and timekeeping	12.56	4.8	37.1	13.02	4.4	39.5	8.38	9.6	24.2
Library clerks	13.42	6.9	33.9	13.97	5.9	39.2	–	–	–
File clerks	12.24	7.3	31.9	12.80	7.9	35.3	9.64	13.6	22.1
Records clerks, n.e.c.	8.73	6.9	34.3	8.83	8.2	39.8	–	–	–
Bookkeepers, accounting and auditing clerks	11.54	4.4	36.5	11.71	4.8	38.4	10.03	4.6	25.6
Payroll and timekeeping clerks	12.97	2.0	36.2	13.15	2.1	38.8	10.45	9.2	18.6
Billing clerks	12.87	5.8	37.1	12.91	6.4	38.5	–	–	–
Duplicating machine operators	11.29	4.4	38.6	11.26	4.4	39.7	–	–	–
Telephone operators	10.07	3.2	35.7	–	–	–	–	–	–
Mail clerks, except postal service	10.57	5.9	30.7	11.18	5.2	39.1	8.24	4.2	16.8
Dispatchers	8.79	4.7	28.2	9.51	5.3	38.5	–	–	–
Production coordinators	10.48	16.5	32.2	11.20	15.6	40.0	–	–	–
Traffic, shipping and receiving clerks	16.37	5.9	39.5	16.37	5.9	39.5	–	–	–
Stock and inventory clerks	12.05	5.8	38.5	12.72	3.7	40.0	–	–	–
Material recording, scheduling, and distribution clerks, n.e.c.	14.19	2.4	38.9	14.31	2.4	39.3	–	–	–
Insurance adjusters, examiners, and investigators	11.73	3.0	35.9	11.95	2.5	39.7	–	–	–
Investigators and adjusters, except insurance	15.35	2.4	38.3	15.35	2.4	38.3	–	–	–
Bill and account collectors	13.10	3.7	36.2	13.16	3.5	39.4	12.56	7.6	21.9
General office clerks	12.93	4.4	39.6	12.93	4.4	39.6	–	–	–
Data entry keyers	12.68	2.1	35.7	13.00	2.1	38.2	9.19	4.7	20.9
Statistical clerks	10.58	5.2	37.1	10.82	5.6	38.3	8.46	5.2	29.1
Teachers' aides	11.82	6.3	32.9	12.50	4.8	39.2	–	–	–
Administrative support, n.e.c.	10.28	5.3	32.8	10.13	5.0	34.5	12.33	23.4	19.9
	13.52	4.4	34.2	14.39	4.6	38.1	8.80	9.8	22.1
Blue collar	13.24	2.6	37.7	13.59	2.5	39.9	7.65	3.2	20.1
Precision production, craft, and repair									
Supervisors, mechanics and repairers	17.72	2.1	39.9	17.71	2.1	40.0	19.48	7.8	21.4
Automobile mechanics	24.03	2.6	40.5	24.03	2.6	40.5	–	–	–
Bus, truck, and stationary engine mechanics	17.90	4.3	39.5	17.90	4.3	39.5	–	–	–
Industrial machinery repairers	19.07	7.2	40.3	19.07	7.2	40.3	–	–	–
Machinery maintenance	16.11	4.1	39.9	16.11	4.1	39.9	–	–	–
	13.25	4.5	40.0	13.25	4.5	40.0	–	–	–

See footnotes at end of table.

Table 3. Selected occupations, New England: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1998–Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar –Continued									
Precision production, craft, and repair –Continued									
Electronic repairers, communications and industrial equipment	\$13.69	14.2	38.7	\$13.29	14.1	39.2	–	–	–
Mechanics and repairers, n.e.c.	17.40	4.3	39.7	17.40	4.3	39.7	–	–	–
Supervisors, construction trades, n.e.c.	16.73	6.1	40.0	16.73	6.1	40.0	–	–	–
Carpenters	19.81	4.9	39.7	19.81	4.9	39.7	–	–	–
Electricians	20.52	9.4	40.0	20.52	9.4	40.0	–	–	–
Electrical power installers and repairers	23.58	2.8	40.0	23.58	2.8	40.0	–	–	–
Painters, construction and maintenance	17.15	5.3	40.0	17.16	5.3	40.0	–	–	–
Plumbers, pipefitters and steamfitters	20.66	4.2	40.0	20.66	4.2	40.0	–	–	–
Construction trades, n.e.c.	14.94	11.1	39.9	14.94	11.1	39.9	–	–	–
Supervisors, production	18.37	3.5	40.6	18.37	3.5	40.6	–	–	–
Tool and die makers	17.28	5.2	40.0	17.28	5.2	40.0	–	–	–
Machinists	17.49	2.9	40.0	17.49	2.9	40.0	–	–	–
Sheet metal workers	17.26	5.1	40.0	17.26	5.1	40.0	–	–	–
Electrical and electronic equipment assemblers	12.13	4.4	40.0	12.13	4.4	40.0	–	–	–
Butchers and meat cutters	12.85	10.4	38.2	12.75	10.5	40.0	–	–	–
Inspectors, testers, and graders	15.04	6.7	39.7	15.06	6.8	40.0	–	–	–
Water and sewer treatment plant operators	17.78	2.9	40.0	17.78	2.9	40.0	–	–	–
Machine operators, assemblers, and inspectors	11.04	3.1	38.6	11.16	2.7	39.9	\$6.76	7.7	17.5
Lathe and turning machine operators	16.13	3.8	40.0	16.13	3.8	40.0	–	–	–
Punching and stamping press operators	10.27	2.2	39.5	10.26	2.2	40.0	–	–	–
Grinding, abrading, buffing, and polishing machine operators	8.19	10.5	40.0	8.19	10.5	40.0	–	–	–
Numerical control machine operators	14.18	1.1	40.0	14.18	1.1	40.0	–	–	–
Fabricating machine operators, n.e.c.	12.88	4.1	40.0	12.88	4.1	40.0	–	–	–
Molding and casting machine operators	10.72	6.3	39.9	10.72	6.3	39.9	–	–	–
Metal plating machine operators	12.64	4.2	40.0	12.64	4.2	40.0	–	–	–
Heat treating equipment operators	13.14	7.5	40.0	13.14	7.5	40.0	–	–	–
Printing press operators	14.40	4.9	38.7	14.59	4.8	39.8	–	–	–
Photoengravers and lithographers	13.90	12.7	39.7	13.90	12.7	39.7	–	–	–
Winding and twisting machine operators	10.16	.0	39.8	10.16	.0	39.8	–	–	–
Knitting, looping, taping, and weaving machine operators	10.56	.5	39.8	10.56	.5	39.8	–	–	–
Textile sewing machine operators	9.83	5.9	40.0	9.83	5.9	40.0	–	–	–
Laundering and dry cleaning machine operators	8.18	6.1	32.4	8.45	8.6	39.7	–	–	–
Packaging and filling machine operators	10.43	6.4	39.8	10.43	6.4	39.8	–	–	–
Extruding and forming machine operators	10.07	5.1	39.2	10.07	5.1	39.2	–	–	–
Mixing and blending machine operators	13.01	7.2	40.0	13.01	7.2	40.0	–	–	–
Compressing and compacting machine operators	10.70	9.9	34.1	–	–	–	–	–	–
Furnace, kiln, and oven operators, except food	14.57	4.9	39.2	14.57	4.9	39.2	–	–	–
Slicing and cutting machine operators	10.89	9.6	40.0	10.89	9.6	40.0	–	–	–
Miscellaneous machine operators, n.e.c.	10.52	6.6	38.8	10.72	5.3	39.9	–	–	–
Welders and cutters	14.78	3.3	40.0	14.78	3.3	40.0	–	–	–
Assemblers	9.89	2.4	34.9	10.10	2.5	40.0	–	–	–
Miscellaneous hand working, n.e.c.	8.53	5.9	40.0	8.53	5.9	40.0	–	–	–
Production inspectors, checkers and examiners	11.01	4.9	39.8	11.01	4.9	39.8	–	–	–
Production testers	12.41	2.7	40.0	12.41	2.7	40.0	–	–	–
Transportation and material moving	14.91	2.7	37.7	15.31	2.7	40.0	9.89	6.2	22.1
Truck drivers	15.09	3.3	38.5	15.35	3.4	39.9	9.64	5.9	21.8
Bus drivers	14.43	5.6	33.5	15.01	7.2	39.8	12.42	6.5	21.7
Motor transportation, n.e.c.	14.87	7.2	38.1	15.09	8.3	40.0	–	–	–
Supervisors, material moving equipment	16.57	8.7	44.0	16.57	8.7	44.0	–	–	–
Excavating and loading machine operators	23.92	4.9	40.0	23.92	4.9	40.0	–	–	–
Industrial truck and tractor equipment operators	12.68	4.1	38.7	12.79	4.3	39.5	–	–	–
Miscellaneous material moving equipment operators, n.e.c.	13.77	5.0	40.0	13.77	5.0	40.0	–	–	–

See footnotes at end of table.

Table 3. Selected occupations, New England: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1998–Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar –Continued									
Handlers, equipment cleaners, helpers, and laborers									
Handlers, equipment cleaners, helpers, and laborers	\$10.46	4.5	33.6	\$11.25	5.4	39.8	\$7.24	2.3	20.5
Groundskeepers and gardeners, except farm ...	12.10	5.6	40.1	12.71	3.2	40.0	–	–	–
Construction laborers	17.41	9.6	40.0	17.41	9.6	40.0	–	–	–
Production helpers	8.12	18.9	39.6	8.12	18.9	39.6	–	–	–
Stock handlers and baggers	8.80	3.1	28.3	10.32	3.7	39.2	6.61	2.2	20.2
Machine feeders and offbearers	8.78	16.6	37.5	8.87	17.5	40.0	–	–	–
Freight, stock, and material handlers, n.e.c.	11.04	5.9	32.4	11.38	7.5	39.8	9.99	7.8	20.6
Hand packers and packagers	8.53	5.4	32.6	9.10	5.8	40.0	6.21	3.8	18.6
Laborers, except construction, n.e.c.	10.36	4.0	36.3	10.81	4.6	39.8	7.71	2.1	23.8
Service									
Protective service	10.56	1.6	30.8	11.87	1.7	39.0	7.27	2.1	20.2
Supervisors, firefighters and fire prevention	14.75	4.4	36.2	15.68	4.3	40.2	8.01	2.1	20.9
Supervisors, police and detectives	22.79	2.1	41.7	22.79	2.1	41.7	–	–	–
Supervisors, guards	24.54	6.0	39.6	24.54	6.0	39.6	–	–	–
Supervisors, police and detectives	16.08	11.2	38.4	16.08	11.2	38.4	–	–	–
Firefighting	17.70	3.3	43.4	17.71	3.3	43.6	–	–	–
Police and detectives, public service	18.47	1.7	38.7	18.67	1.7	39.7	–	–	–
Sheriffs, bailiffs, and other law enforcement officers	16.35	7.0	39.2	16.48	7.2	39.3	–	–	–
Crossing guards	9.50	3.8	15.6	–	–	–	9.50	3.8	15.6
Guards and police, except public service	8.90	3.1	33.6	9.29	3.9	39.6	7.66	1.8	22.7
Protective service, n.e.c.	8.25	3.1	17.2	–	–	–	8.25	3.1	17.2
Food service	7.65	2.5	26.5	9.42	3.2	38.5	5.46	2.7	19.2
Supervisors, food preparation and service	14.70	3.4	42.3	14.85	3.3	43.0	–	–	–
Bartenders	6.79	12.1	25.2	7.61	15.3	34.8	5.90	18.5	19.3
Waiters and waitresses	4.05	13.2	23.5	5.75	19.1	36.8	2.94	5.7	19.0
Cooks	10.08	2.5	30.8	10.67	3.1	38.2	8.44	3.5	19.9
Food counter, fountain, and related	6.88	7.3	21.9	–	–	–	6.78	9.4	20.6
Kitchen workers, food preparation	7.05	3.9	27.4	7.85	6.5	38.5	6.17	4.3	20.8
Waiters/Waitresses' assistants	5.73	4.3	19.6	–	–	–	5.46	6.1	14.5
Food preparation, n.e.c.	7.75	2.5	25.9	8.43	3.4	38.1	7.01	2.4	19.3
Health service	10.14	1.0	31.4	10.33	1.0	38.8	9.63	2.9	20.9
Health aides, except nursing	9.75	2.1	27.8	10.22	2.7	39.1	8.64	4.6	16.5
Nursing aides, orderlies and attendants	10.20	1.1	32.2	10.32	1.1	38.7	9.87	3.1	22.3
Cleaning and building service	10.31	2.4	33.1	11.01	2.6	38.8	7.97	2.5	22.3
Supervisors, cleaning and building service workers	16.37	11.6	38.4	18.04	8.2	39.3	–	–	–
Maids and housemen	7.97	2.7	33.7	7.79	2.2	36.4	9.40	13.0	21.1
Janitors and cleaners	10.36	2.8	32.8	11.22	3.0	39.2	7.82	2.5	22.1
Personal service	10.41	5.9	27.2	11.82	7.2	37.2	8.33	5.7	19.5
Supervisors, personal service	12.85	5.6	41.0	13.55	6.7	40.0	–	–	–
Welfare service aides	10.77	6.7	22.5	11.75	5.9	39.5	9.67	11.3	15.1
Early childhood teachers' assistants	7.16	4.8	30.9	7.24	7.6	39.4	–	–	–
Child care workers, n.e.c.	8.83	5.9	26.4	10.00	3.1	38.7	7.58	4.6	19.7
Service, n.e.c.	10.36	5.0	29.1	11.36	4.6	38.8	8.58	10.5	20.2

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, and holidays; nonproduction bonuses; and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighted by hours.

² All workers include full-time and part-time workers. Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

³ In this census division, collection was conducted between May 1998 and April 1999.

The average reference period was November 1998.

⁴ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. For more information, see Technical Note.

⁵ The relative standard error (RSE) is the standard error expressed as a percent of the estimate. It can be used to calculate a "confidence interval" around a sample estimate. For more information about RSEs, see Technical Note.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately.

Table 4. Selected occupations, New England, private industry: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ 1998

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
All	\$16.50	1.7	35.0	\$17.55	1.9	39.5	\$10.27	2.0	20.8
All excluding sales	16.64	1.7	35.4	17.50	1.8	39.5	10.89	2.1	20.8
White collar	20.38	1.7	35.7	21.36	1.8	39.6	13.46	3.2	21.3
White collar excluding sales	21.17	1.6	36.7	21.64	1.7	39.5	16.64	3.1	21.7
Professional specialty and technical	24.32	1.5	35.3	24.94	1.6	39.3	20.40	2.7	21.3
Professional specialty	26.70	1.6	35.1	27.47	1.6	39.2	22.00	4.2	21.5
Engineers, architects, and surveyors	30.04	2.0	40.3	30.04	2.0	40.3	-	-	-
Chemical engineers	30.27	3.7	40.0	30.27	3.7	40.0	-	-	-
Civil engineers	24.30	8.6	41.1	24.30	8.6	41.1	-	-	-
Electrical and electronic engineers	32.06	3.4	40.1	32.06	3.4	40.1	-	-	-
Industrial engineers	26.85	3.9	40.8	26.85	3.9	40.8	-	-	-
Mechanical engineers	26.67	3.7	40.8	26.67	3.7	40.8	-	-	-
Engineers, n.e.c.	30.88	3.6	40.0	30.88	3.6	40.0	-	-	-
Mathematical and computer scientists	29.54	3.0	39.7	29.54	3.0	39.7	-	-	-
Computer systems analysts and scientists	30.16	3.4	39.7	30.16	3.4	39.7	-	-	-
Operations and systems researchers and analysts	25.02	4.8	39.5	25.02	4.8	39.5	-	-	-
Natural scientists	30.21	10.9	37.7	30.12	11.2	39.5	-	-	-
Chemists, except biochemists	29.97	17.8	38.8	29.97	17.8	38.8	-	-	-
Medical scientists	30.27	17.5	33.2	29.88	19.5	39.4	-	-	-
Health related	23.96	2.6	31.6	24.66	3.4	38.9	22.50	4.3	22.7
Physicians	45.44	8.9	37.7	45.60	12.9	41.1	-	-	-
Registered nurses	21.56	1.3	30.6	21.97	1.7	38.3	20.87	1.6	23.0
Pharmacists	26.37	2.5	34.4	27.22	3.1	40.1	-	-	-
Dietitians	17.89	3.8	30.2	-	-	-	-	-	-
Respiratory therapists	19.76	3.2	33.5	19.90	4.0	39.3	-	-	-
Occupational therapists	22.12	6.0	33.8	-	-	-	-	-	-
Physical therapists	23.09	7.0	32.8	-	-	-	31.48	14.5	15.0
Physicians' assistants	33.08	4.7	40.0	33.16	4.8	40.6	-	-	-
Teachers, college and university	43.26	5.0	33.6	43.66	5.1	36.4	37.13	16.0	15.5
Medical science teachers	40.95	5.0	34.5	-	-	-	-	-	-
Business, commerce, and marketing teachers ..	61.64	11.7	32.0	-	-	-	-	-	-
Art, drama, and music teachers	32.52	8.0	34.0	32.72	8.2	38.8	-	-	-
English teachers	41.65	12.3	32.8	42.31	12.6	33.9	-	-	-
Foreign language teachers	34.03	12.9	34.1	-	-	-	-	-	-
Teachers, post secondary, subject not specified	37.09	12.6	34.6	37.09	12.6	34.6	-	-	-
Teachers, post secondary, n.e.c.	49.40	11.2	36.5	49.49	11.1	37.1	-	-	-
Teachers, except college and university	19.97	5.9	28.5	20.47	6.7	38.1	17.33	8.4	12.3
Prekindergarten and kindergarten	10.33	3.1	33.7	10.51	3.1	38.7	-	-	-
Elementary school teachers	25.30	11.0	39.3	25.30	11.0	39.3	-	-	-
Secondary school teachers	25.09	5.2	33.6	25.35	5.9	36.4	22.75	4.0	19.8
Teachers, special education	21.34	17.4	38.4	21.34	17.4	38.4	-	-	-
Teachers, n.e.c.	17.48	5.6	17.1	18.29	3.4	39.7	16.49	11.5	10.1
Vocational and educational counselors	23.09	4.3	34.6	-	-	-	-	-	-
Librarians, archivists, and curators	23.82	5.3	34.4	24.11	5.5	37.5	-	-	-
Librarians	24.00	6.0	36.6	24.10	6.3	37.9	-	-	-
Social scientists and urban planners	18.36	12.1	29.0	18.68	12.2	37.1	-	-	-
Economists	20.98	17.2	39.6	20.98	17.2	39.6	-	-	-
Social, recreation, and religious workers	14.06	4.3	33.3	13.70	4.3	37.9	16.55	6.8	18.0
Social workers	14.02	4.5	33.7	13.66	4.5	37.9	16.45	7.1	19.1
Lawyers and judges	33.70	7.9	45.8	33.50	8.6	46.2	-	-	-
Lawyers	33.70	7.9	45.8	33.50	8.6	46.2	-	-	-
Writers, authors, entertainers, athletes, and professionals, n.e.c.	22.37	5.8	37.4	22.87	6.0	39.1	16.74	13.8	24.9
Technical writers	28.09	7.9	32.8	28.98	8.0	39.7	-	-	-
Designers	23.48	12.8	37.3	24.39	12.5	39.8	-	-	-
Painters, sculptors, craft artists, and artist printmakers	15.84	6.4	37.9	-	-	-	-	-	-
Editors and reporters	22.18	15.0	39.2	22.18	15.0	39.2	-	-	-
Public relations specialists	21.99	9.8	37.8	22.63	10.3	37.5	-	-	-
Professional, n.e.c.	23.39	12.2	36.2	26.24	7.1	38.6	-	-	-
Technical	17.87	2.8	35.7	18.21	3.1	39.6	15.41	3.7	20.8

See footnotes at end of table.

Table 4. Selected occupations, New England, private industry: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ 1998–Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar –Continued									
Professional specialty and technical –Continued									
Technical –Continued									
Clinical laboratory technologists and technicians	\$15.93	4.5	35.9	\$16.00	5.0	39.5	\$15.25	5.0	20.0
Radiological technicians	21.52	5.6	29.4	22.20	7.4	39.1	20.16	5.7	19.7
Licensed practical nurses	15.87	1.8	28.6	16.51	1.7	38.9	15.05	2.8	21.3
Health technologists and technicians, n.e.c.	13.73	4.0	33.6	13.86	4.9	39.9	13.18	6.3	20.4
Electrical and electronic technicians	18.55	3.1	39.7	18.55	3.1	39.7	–	–	–
Mechanical engineering technicians	19.25	4.4	40.0	19.25	4.4	40.0	–	–	–
Engineering technicians, n.e.c.	21.57	7.1	37.3	21.72	7.2	39.9	–	–	–
Drafters	18.81	3.1	40.0	18.81	3.1	40.0	–	–	–
Chemical technicians	14.93	5.7	39.7	–	–	–	–	–	–
Science technicians, n.e.c.	16.04	6.1	39.2	16.04	6.1	39.2	–	–	–
Computer programmers	24.85	7.9	39.1	24.95	8.0	39.6	–	–	–
Legal assistants	18.19	9.7	39.5	18.19	9.7	39.5	–	–	–
Technical and related, n.e.c.	20.26	7.8	39.8	20.26	7.8	39.8	–	–	–
Executive, administrative, and managerial	28.60	2.4	40.4	28.65	2.4	40.5	19.83	4.1	25.3
Executives, administrators, and managers	34.05	2.9	40.7	34.15	2.9	40.9	–	–	–
Financial managers	34.73	4.2	40.5	34.89	4.2	40.7	–	–	–
Personnel and labor relations managers	25.82	25.3	46.3	25.82	25.3	46.3	–	–	–
Purchasing managers	32.04	8.8	41.6	32.04	8.8	41.6	–	–	–
Managers, marketing, advertising, and public relations	40.55	8.4	40.9	40.55	8.4	40.9	–	–	–
Administrators, education and related fields	31.90	9.4	36.6	32.27	9.6	38.2	–	–	–
Managers, medicine and health	29.08	7.9	39.5	29.83	8.1	40.2	–	–	–
Managers, food servicing and lodging establishments	19.21	5.7	44.1	19.21	5.7	44.1	–	–	–
Managers, service organizations, n.e.c.	21.95	11.1	39.7	21.95	11.1	39.7	–	–	–
Managers and administrators, n.e.c.	37.79	3.6	40.7	37.79	3.6	40.7	–	–	–
Management related	21.41	2.0	39.9	21.42	2.0	40.0	–	–	–
Accountants and auditors	20.10	3.8	39.5	20.08	3.8	39.6	–	–	–
Underwriters	24.04	11.1	38.6	24.04	11.1	38.6	–	–	–
Other financial officers	24.40	3.3	39.7	24.44	3.3	40.0	–	–	–
Management analysts	24.68	6.6	39.4	24.63	6.6	39.6	–	–	–
Personnel, training, and labor relations specialists	20.21	5.8	40.1	20.21	5.8	40.1	–	–	–
Buyers, wholesale and retail trade, except farm products	23.55	7.4	41.3	23.55	7.4	41.3	–	–	–
Purchasing agents and buyers, n.e.c.	20.84	5.2	40.0	20.84	5.2	40.0	–	–	–
Management related, n.e.c.	21.25	5.2	40.5	21.25	5.2	40.5	–	–	–
Sales	14.53	7.2	30.2	18.51	8.1	40.0	7.10	1.9	20.6
Supervisors, sales	19.03	9.7	41.9	19.03	9.7	41.9	–	–	–
Insurance sales	25.35	4.2	39.8	25.35	4.2	39.8	–	–	–
Securities and financial services sales	29.47	24.5	41.4	29.47	24.5	41.4	–	–	–
Advertising and related sales	20.42	6.7	39.9	21.15	8.7	41.3	–	–	–
Sales, other business services	26.68	25.8	39.8	26.68	25.8	39.8	–	–	–
Sales representatives, mining, manufacturing, and wholesale	29.61	16.1	40.5	29.61	16.1	40.5	–	–	–
Sales workers, motor vehicles and boats	20.63	17.2	42.9	20.63	17.2	42.9	–	–	–
Sales workers, apparel	7.19	3.5	28.2	–	–	–	–	–	–
Sales workers, other commodities	10.49	10.6	27.5	12.68	12.1	38.7	7.38	4.6	19.5
Sales counter clerks	9.90	8.0	28.1	–	–	–	8.43	7.7	20.6
Cashiers	7.37	3.9	23.6	9.04	8.3	38.5	6.76	1.8	20.7
Sales support, n.e.c.	13.96	6.6	38.1	14.72	3.9	40.8	–	–	–
Administrative support, including clerical	12.83	1.8	36.5	13.14	1.8	39.1	9.89	2.9	22.2
Supervisors, general office	17.12	4.8	39.6	17.10	5.0	40.8	–	–	–
Supervisors, financial records processing	19.33	7.4	39.3	19.33	7.4	39.3	–	–	–
Supervisors, distribution, scheduling, and adjusting clerks	20.33	1.2	39.2	20.33	1.2	39.2	–	–	–

See footnotes at end of table.

Table 4. Selected occupations, New England, private industry: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ 1998—Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Administrative support, including clerical —Continued									
Computer operators	\$15.64	4.9	37.6	\$15.83	5.0	38.8	—	—	—
Secretaries	14.15	1.9	37.0	14.26	2.0	38.9	\$12.73	4.9	23.2
Typists	12.65	9.2	29.1	—	—	—	—	—	—
Interviewers	11.66	2.8	31.4	11.91	3.6	39.8	11.04	2.3	20.6
Hotel clerks	9.28	4.8	31.7	9.14	4.2	37.6	—	—	—
Transportation ticket and reservation agents	13.74	2.4	37.6	14.22	5.1	40.0	12.31	6.2	31.7
Receptionists	9.59	3.7	36.1	9.73	4.5	39.0	8.79	2.7	25.6
Information clerks, n.e.c.	13.75	11.3	34.8	13.96	13.0	37.4	—	—	—
Correspondence clerks	12.44	9.8	34.4	12.44	9.5	37.8	—	—	—
Order clerks	12.56	4.8	37.1	13.02	4.4	39.5	8.38	9.6	24.2
Personnel clerks, except payroll and timekeeping	13.75	6.6	39.0	13.80	6.7	39.6	—	—	—
Library clerks	11.71	9.5	33.9	12.30	8.8	36.6	—	—	—
File clerks	8.73	6.9	34.3	8.83	8.2	39.8	—	—	—
Records clerks, n.e.c.	11.34	4.7	37.0	11.55	5.2	38.6	9.43	2.6	26.7
Bookkeepers, accounting and auditing clerks	12.43	2.3	36.0	12.64	2.3	39.1	9.60	7.3	17.0
Payroll and timekeeping clerks	12.61	7.1	37.4	12.63	8.0	39.3	—	—	—
Billing clerks	11.29	4.4	38.6	11.26	4.4	39.7	—	—	—
Duplicating machine operators	10.07	3.2	35.7	—	—	—	—	—	—
Telephone operators	10.64	5.9	31.6	11.17	5.2	39.0	8.26	4.8	17.1
Mail clerks, except postal service	8.71	4.6	28.0	9.39	5.3	38.5	—	—	—
Production coordinators	16.37	5.9	39.5	16.37	5.9	39.5	—	—	—
Traffic, shipping and receiving clerks	12.05	5.8	38.5	12.72	3.7	40.0	—	—	—
Stock and inventory clerks	13.94	1.7	39.1	14.07	1.7	39.6	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	11.65	3.5	35.1	11.92	3.0	39.6	—	—	—
Insurance adjusters, examiners, and investigators	15.35	2.4	38.3	15.35	2.4	38.3	—	—	—
Investigators and adjusters, except insurance ...	13.15	3.7	36.5	13.16	3.5	39.4	13.05	8.2	22.1
Bill and account collectors	12.93	4.4	39.6	12.93	4.4	39.6	—	—	—
General office clerks	12.19	3.1	35.6	12.62	3.2	38.6	8.63	3.1	21.6
Data entry keyers	9.70	4.1	37.2	9.81	4.8	38.8	8.83	3.0	28.6
Statistical clerks	11.84	6.3	32.9	12.50	4.8	39.2	—	—	—
Teachers' aides	10.54	9.3	35.0	10.57	9.3	36.3	—	—	—
Administrative support, n.e.c.	12.78	6.2	34.1	13.63	6.8	38.6	8.67	10.7	21.8
Blue collar	12.97	2.7	37.6	13.33	2.7	39.9	7.58	3.1	20.0
Precision production, craft, and repair									
Supervisors, mechanics and repairers	23.97	2.7	40.6	23.97	2.7	40.6	—	—	—
Automobile mechanics	17.64	5.1	39.4	17.64	5.1	39.4	—	—	—
Bus, truck, and stationary engine mechanics	18.64	8.0	40.4	18.64	8.0	40.4	—	—	—
Industrial machinery repairers	16.11	4.1	39.9	16.11	4.1	39.9	—	—	—
Machinery maintenance	13.25	4.5	40.0	13.25	4.5	40.0	—	—	—
Electronic repairers, communications and industrial equipment	13.68	15.7	38.5	13.24	15.6	39.1	—	—	—
Mechanics and repairers, n.e.c.	16.99	3.8	39.7	16.99	3.8	39.7	—	—	—
Carpenters	20.73	5.3	39.9	20.73	5.3	39.9	—	—	—
Electricians	20.94	11.3	40.0	20.94	11.3	40.0	—	—	—
Electrical power installers and repairers	23.51	3.2	40.0	23.51	3.2	40.0	—	—	—
Plumbers, pipefitters and steamfitters	21.72	3.3	40.0	21.72	3.3	40.0	—	—	—
Construction trades, n.e.c.	19.57	12.8	40.0	19.57	12.8	40.0	—	—	—
Supervisors, production	18.37	3.5	40.6	18.37	3.5	40.6	—	—	—
Tool and die makers	17.28	5.2	40.0	17.28	5.2	40.0	—	—	—
Machinists	17.49	2.9	40.0	17.49	2.9	40.0	—	—	—
Sheet metal workers	17.26	5.1	40.0	17.26	5.1	40.0	—	—	—
Electrical and electronic equipment assemblers	12.13	4.4	40.0	12.13	4.4	40.0	—	—	—
Butchers and meat cutters	12.85	10.4	38.2	12.75	10.5	40.0	—	—	—
Inspectors, testers, and graders	15.06	6.8	40.0	15.06	6.8	40.0	—	—	—

See footnotes at end of table.

Table 4. Selected occupations, New England, private industry: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ 1998–Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar –Continued									
Machine operators, assemblers, and inspectors	\$10.95	3.1	38.6	\$11.07	2.7	39.9	\$6.75	7.7	17.5
Lathe and turning machine operators	16.13	3.8	40.0	16.13	3.8	40.0	–	–	–
Punching and stamping press operators	10.27	2.2	39.5	10.26	2.2	40.0	–	–	–
Grinding, abrading, buffing, and polishing machine operators	8.19	10.5	40.0	8.19	10.5	40.0	–	–	–
Numerical control machine operators	14.18	1.1	40.0	14.18	1.1	40.0	–	–	–
Fabricating machine operators, n.e.c.	12.88	4.1	40.0	12.88	4.1	40.0	–	–	–
Molding and casting machine operators	10.72	6.3	39.9	10.72	6.3	39.9	–	–	–
Metal plating machine operators	12.64	4.2	40.0	12.64	4.2	40.0	–	–	–
Heat treating equipment operators	13.14	7.5	40.0	13.14	7.5	40.0	–	–	–
Printing press operators	14.40	4.9	38.7	14.59	4.8	39.8	–	–	–
Photoengravers and lithographers	13.90	12.7	39.7	13.90	12.7	39.7	–	–	–
Winding and twisting machine operators	10.16	.0	39.8	10.16	.0	39.8	–	–	–
Knitting, looping, taping, and weaving machine operators	10.56	.5	39.8	10.56	.5	39.8	–	–	–
Textile sewing machine operators	9.83	5.9	40.0	9.83	5.9	40.0	–	–	–
Laundering and dry cleaning machine operators	7.94	4.9	31.9	–	–	–	–	–	–
Packaging and filling machine operators	10.43	6.4	39.8	10.43	6.4	39.8	–	–	–
Extruding and forming machine operators	10.07	5.1	39.2	10.07	5.1	39.2	–	–	–
Mixing and blending machine operators	13.01	7.2	40.0	13.01	7.2	40.0	–	–	–
Compressing and compacting machine operators	10.70	9.9	34.1	–	–	–	–	–	–
Slicing and cutting machine operators	10.89	9.6	40.0	10.89	9.6	40.0	–	–	–
Miscellaneous machine operators, n.e.c.	10.39	6.4	38.8	10.59	5.2	40.0	–	–	–
Welders and cutters	14.56	3.9	40.0	14.56	3.9	40.0	–	–	–
Assemblers	9.89	2.4	34.9	10.10	2.5	40.0	–	–	–
Miscellaneous hand working, n.e.c.	8.53	5.9	40.0	8.53	5.9	40.0	–	–	–
Production inspectors, checkers and examiners	11.01	4.9	39.8	11.01	4.9	39.8	–	–	–
Production testers	12.41	2.7	40.0	12.41	2.7	40.0	–	–	–
Transportation and material moving	14.63	3.1	37.5	15.05	3.1	40.0	9.63	6.2	21.7
Truck drivers	15.23	3.5	38.5	15.46	3.6	39.9	9.88	9.2	21.3
Bus drivers	12.30	7.5	32.3	12.47	9.0	40.0	–	–	–
Motor transportation, n.e.c.	14.38	6.0	38.0	–	–	–	–	–	–
Supervisors, material moving equipment	16.57	8.7	44.0	16.57	8.7	44.0	–	–	–
Excavating and loading machine operators	24.25	4.9	40.0	24.25	4.9	40.0	–	–	–
Industrial truck and tractor equipment operators	12.65	4.2	38.7	12.76	4.4	39.5	–	–	–
Handlers, equipment cleaners, helpers, and laborers	10.20	5.1	33.1	11.00	6.2	39.7	7.23	2.5	20.5
Groundskeepers and gardeners, except farm ...	11.46	9.8	40.3	12.45	7.2	40.0	–	–	–
Construction laborers	21.15	8.0	40.0	21.15	8.0	40.0	–	–	–
Production helpers	8.12	18.9	39.6	8.12	18.9	39.6	–	–	–
Stock handlers and baggers	8.80	3.1	28.3	10.32	3.7	39.2	6.61	2.2	20.2
Machine feeders and offbearers	8.78	16.6	37.5	8.87	17.5	40.0	–	–	–
Freight, stock, and material handlers, n.e.c.	11.03	5.9	32.4	11.38	7.6	39.8	9.99	7.8	20.6
Hand packers and packagers	8.53	5.4	32.6	9.10	5.8	40.0	6.21	3.8	18.6
Laborers, except construction, n.e.c.	9.83	4.6	36.1	10.20	4.8	39.8	7.67	2.4	23.5
Service	8.84	1.4	29.2	9.80	1.6	38.5	7.13	2.3	20.4
Protective service	8.93	3.9	33.3	9.34	4.8	39.6	7.63	1.9	22.2
Supervisors, guards	13.78	16.2	40.0	13.78	16.2	40.0	–	–	–
Guards and police, except public service	8.66	3.0	33.3	9.01	3.7	39.6	7.64	1.9	22.7
Food service	7.51	2.7	26.5	9.27	3.4	38.5	5.40	2.8	19.4
Supervisors, food preparation and service	14.70	3.4	42.3	14.86	3.4	43.1	–	–	–
Bartenders	6.79	12.1	25.2	7.61	15.3	34.8	5.90	18.5	19.3
Waiters and waitresses	4.05	13.2	23.5	5.75	19.1	36.8	2.94	5.7	19.0
Cooks	9.88	2.8	30.2	10.48	3.5	38.4	8.42	3.5	19.9
Food counter, fountain, and related	6.82	7.3	21.7	–	–	–	6.77	9.5	20.5
Kitchen workers, food preparation	7.03	4.0	27.7	7.85	6.5	38.5	6.08	4.2	21.0
Waiters/Waitresses' assistants	5.73	4.3	19.6	–	–	–	5.46	6.1	14.5

See footnotes at end of table.

Table 4. Selected occupations, New England, private industry: Mean hourly earnings¹ for full-time and part-time workers,² National Compensation Survey,³ 1998–Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service –Continued									
Food service –Continued									
Food preparation, n.e.c.	\$7.52	2.8	26.6	\$8.07	3.8	38.1	\$6.94	2.5	20.2
Health service	9.79	1.1	30.2	9.88	1.0	38.5	9.61	3.0	20.8
Health aides, except nursing	9.67	2.3	27.4	10.14	2.9	39.2	8.62	4.8	16.4
Nursing aides, orderlies and attendants	9.79	1.3	30.9	9.76	.9	38.4	9.84	3.2	22.2
Cleaning and building service	9.47	2.7	31.9	10.15	3.0	38.4	7.76	1.9	22.4
Supervisors, cleaning and building service workers	14.94	11.5	37.8	17.08	5.0	39.0	–	–	–
Maids and housemen	7.93	2.7	33.6	7.75	2.2	36.3	9.40	13.0	21.1
Janitors and cleaners	9.51	3.3	31.3	10.45	3.8	39.0	7.57	1.4	22.2
Personal service	10.17	6.9	27.3	11.45	8.6	37.1	8.29	6.5	19.7
Supervisors, personal service	12.11	1.7	41.1	–	–	–	–	–	–
Welfare service aides	10.31	8.5	21.0	11.08	8.1	39.3	9.67	11.3	15.1
Early childhood teachers' assistants	–	–	–	7.23	7.8	39.6	–	–	–
Child care workers, n.e.c.	8.49	6.4	28.8	9.56	4.0	39.5	7.39	3.5	22.5
Service, n.e.c.	10.25	5.8	30.7	10.88	3.6	39.2	8.69	14.6	20.0

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, and holidays; nonproduction bonuses; and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighted by hours.

² All workers include full-time and part-time workers. Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

³ In this census division, collection was conducted between May 1998 and April 1999.

The average reference period was November 1998.

⁴ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. For more information, see Technical Note.

⁵ The relative standard error (RSE) is the standard error expressed as a percent of the estimate. It can be used to calculate a "confidence interval" around a sample estimate. For more information about RSEs, see Technical Note.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately.

Table 5. Selected occupations, New England, State and local government: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1998

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
All	\$21.35	1.3	35.5	\$21.77	1.4	37.5	\$13.93	5.3	18.6
All excluding sales	21.39	1.3	35.5	21.80	1.4	37.5	13.98	5.4	18.4
White collar	24.20	1.8	34.6	24.62	1.9	36.3	16.47	5.7	18.7
White collar excluding sales	24.29	1.8	34.6	24.69	1.9	36.3	16.65	5.9	18.5
Professional specialty and technical	29.34	2.3	34.3	29.82	2.3	35.7	20.57	6.4	20.0
Professional specialty	29.95	2.3	34.4	30.35	2.3	35.6	21.67	6.7	20.0
Engineers, architects, and surveyors	28.81	3.8	37.1	28.81	3.8	37.1	—	—	—
Mathematical and computer scientists	—	—	—	—	—	—	—	—	—
Natural scientists	25.82	8.1	36.9	25.82	8.1	36.9	—	—	—
Health related	24.49	3.9	34.7	24.48	4.8	39.0	24.54	4.2	24.3
Registered nurses	24.35	2.8	33.8	24.53	3.2	38.0	23.36	5.1	20.9
Teachers, college and university	35.80	1.9	36.3	36.81	2.2	37.9	18.44	4.0	20.9
Teachers, post secondary, n.e.c.	33.04	2.1	37.6	33.07	2.1	38.4	—	—	—
Teachers, except college and university	32.01	3.0	33.2	32.34	3.1	34.3	22.33	15.1	17.5
Prekindergarten and kindergarten	35.12	6.3	33.9	35.12	6.3	33.9	—	—	—
Elementary school teachers	32.71	2.6	33.9	32.71	2.6	33.9	—	—	—
Secondary school teachers	31.76	4.8	34.8	31.76	4.8	34.8	—	—	—
Teachers, special education	30.27	4.9	33.7	30.27	4.9	33.7	—	—	—
Teachers, n.e.c.	35.74	7.3	31.4	36.41	6.0	34.9	—	—	—
Substitute teachers	9.24	11.1	15.7	—	—	—	8.11	4.3	13.5
Vocational and educational counselors	30.00	5.6	32.0	29.06	12.8	35.3	—	—	—
Librarians, archivists, and curators	21.79	15.2	36.6	21.87	15.5	36.9	—	—	—
Librarians	21.79	15.2	36.6	21.87	15.5	36.9	—	—	—
Social scientists and urban planners	27.25	6.9	35.8	27.01	6.7	36.0	—	—	—
Social, recreation, and religious workers	21.09	4.0	37.0	21.31	4.2	37.5	—	—	—
Social workers	21.21	4.1	37.3	21.31	4.2	37.5	—	—	—
Lawyers and judges	33.78	8.1	36.9	33.68	8.1	37.0	—	—	—
Writers, authors, entertainers, athletes, and professionals, n.e.c.	15.04	1.1	29.0	—	—	—	—	—	—
Technical	18.48	5.9	33.7	19.15	6.6	38.4	14.87	8.7	20.3
Licensed practical nurses	14.98	4.1	37.8	14.95	4.5	39.7	—	—	—
Health technologists and technicians, n.e.c.	20.05	16.3	28.3	23.51	16.3	38.3	—	—	—
Executive, administrative, and managerial	28.25	3.7	36.8	28.35	3.7	38.0	20.68	9.3	10.3
Executives, administrators, and managers	31.69	3.5	37.0	31.70	3.5	38.4	29.12	9.3	4.6
Legislators	25.86	4.5	18.6	—	—	—	26.41	4.1	6.3
Administrators and officials, public administration	27.25	8.2	36.8	27.21	8.2	38.4	—	—	—
Financial managers	32.16	2.7	37.6	32.16	2.7	37.6	—	—	—
Administrators, education and related fields	36.27	6.2	38.3	36.27	6.2	38.3	—	—	—
Managers, medicine and health	33.83	13.5	39.7	33.83	13.5	39.7	—	—	—
Managers and administrators, n.e.c.	32.86	7.0	38.3	32.86	7.0	38.3	—	—	—
Management related	19.82	2.5	36.4	19.90	2.5	37.1	17.09	2.3	21.7
Accountants and auditors	19.31	3.6	37.6	19.30	3.6	37.6	—	—	—
Personnel, training, and labor relations specialists	17.18	5.6	35.6	—	—	—	—	—	—
Inspectors and compliance officers, except construction	20.56	3.9	32.9	—	—	—	—	—	—
Management related, n.e.c.	19.87	8.6	36.0	19.95	9.0	36.8	—	—	—
Sales	15.72	5.5	35.7	16.64	5.6	39.5	—	—	—
Cashiers	16.14	6.7	34.6	17.84	6.9	40.0	—	—	—
Administrative support, including clerical	13.31	3.0	34.0	13.48	3.2	36.3	10.96	8.8	17.9
Secretaries	16.21	3.0	35.8	16.26	3.0	37.0	—	—	—
Typists	13.06	3.2	35.2	13.18	3.0	36.2	—	—	—
Interviewers	11.39	3.1	38.3	—	—	—	—	—	—
Receptionists	11.01	5.9	24.4	—	—	—	8.93	3.9	16.0
Library clerks	12.87	10.2	29.9	13.56	12.9	33.6	11.11	4.7	23.3
Records clerks, n.e.c.	14.54	2.6	30.2	14.58	3.2	35.1	—	—	—
Bookkeepers, accounting and auditing clerks ...	15.21	3.0	36.9	15.27	3.1	37.4	—	—	—
Dispatchers	15.54	5.5	33.0	15.77	5.7	39.8	—	—	—
Stock and inventory clerks	15.59	8.4	37.5	15.59	8.4	37.5	—	—	—

See footnotes at end of table.

Table 5. Selected occupations, New England, State and local government: Mean hourly earnings¹ and weekly hours for full-time and part-time workers,² National Compensation Survey,³ 1998–Continued

Occupation ⁴	Total			Full time			Part time		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar –Continued									
Administrative support, including clerical –Continued									
General office clerks	\$13.49	1.8	36.0	\$13.57	1.9	37.6	\$11.74	5.5	18.1
Teachers' aides	10.28	5.4	32.8	10.13	5.1	34.5	12.33	23.5	20.0
Administrative support, n.e.c.	16.79	2.6	34.9	17.49	.9	36.4	–	–	–
Blue collar	16.59	2.7	39.4	16.70	2.7	39.8	10.65	15.8	24.7
Precision production, craft, and repair									
Mechanics and repairers, n.e.c.	18.06	4.2	39.9	18.06	4.2	39.9	–	–	–
Supervisors, construction trades, n.e.c.	18.07	8.2	39.8	18.07	8.2	39.8	–	–	–
Electricians	16.29	9.5	40.0	16.29	9.5	40.0	–	–	–
Painters, construction and maintenance	19.14	5.8	40.0	19.14	5.8	40.0	–	–	–
Construction trades, n.e.c.	15.78	6.2	40.0	15.78	6.2	40.0	–	–	–
Construction trades, n.e.c.	12.16	9.5	39.9	12.16	9.5	39.9	–	–	–
Machine operators, assemblers, and inspectors	16.52	8.4	38.6	16.53	8.4	39.0	–	–	–
Transportation and material moving									
Truck drivers	16.76	3.7	38.6	17.06	3.9	39.8	–	–	–
Truck drivers	13.38	4.5	37.9	13.88	4.8	40.0	–	–	–
Handlers, equipment cleaners, helpers, and laborers									
Groundskeepers and gardeners, except farm ...	13.28	3.0	39.3	13.42	3.2	40.0	7.97	1.0	24.8
Construction laborers	12.91	1.5	40.0	12.94	1.6	40.0	–	–	–
Laborers, except construction, n.e.c.	12.89	4.2	40.0	12.89	4.2	40.0	–	–	–
Laborers, except construction, n.e.c.	14.14	10.0	37.5	15.03	10.1	39.8	–	–	–
Service									
Protective service	15.57	1.7	36.7	16.06	1.7	40.0	9.28	3.3	17.9
Supervisors, firefighters and fire prevention	18.32	1.6	38.2	18.76	1.6	40.5	9.21	1.7	17.6
Supervisors, police and detectives	22.79	2.1	41.7	22.79	2.1	41.7	–	–	–
Firefighting	24.54	6.0	39.6	24.54	6.0	39.6	–	–	–
Police and detectives, public service	17.70	3.3	43.4	17.71	3.3	43.6	–	–	–
Sheriffs, bailiffs, and other law enforcement officers	18.47	1.7	38.7	18.67	1.7	39.7	–	–	–
Crossing guards	16.35	7.0	39.2	16.48	7.2	39.3	–	–	–
Guards and police, except public service	9.50	3.8	15.6	–	–	–	9.50	3.8	15.6
Protective service, n.e.c.	13.50	6.9	39.1	13.64	7.2	39.6	–	–	–
Food service	8.45	1.7	19.4	–	–	–	8.45	1.7	19.4
Cooks	10.66	2.9	26.4	11.67	2.9	37.5	7.81	4.2	14.5
Food preparation, n.e.c.	11.95	5.4	37.0	11.96	5.5	37.1	–	–	–
Health service	9.61	3.5	21.7	10.97	.0	37.8	7.63	4.7	13.4
Health aides, except nursing	11.72	2.2	38.5	11.79	2.3	39.7	10.33	4.6	24.7
Nursing aides, orderlies and attendants	10.71	2.8	33.3	11.04	.9	38.2	–	–	–
Cleaning and building service	11.80	2.3	39.0	11.84	2.4	39.8	10.74	2.9	26.5
Janitors and cleaners	12.90	3.6	37.7	13.01	3.7	39.7	11.16	6.6	20.8
Personal service	12.55	2.9	37.5	12.64	3.1	39.7	11.16	6.6	20.8
Child care workers, n.e.c.	11.99	5.4	26.4	14.10	5.8	38.0	8.61	5.0	17.8
Service, n.e.c.	10.74	2.8	17.9	–	–	–	8.83	8.9	10.8
Service, n.e.c.	10.84	8.9	23.9	–	–	–	–	–	–

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, and holidays; nonproduction bonuses; and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighted by hours.

² All workers include full-time and part-time workers. Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

³ In this census division, collection was conducted between May 1998 and April 1999.

The average reference period was November 1998.

⁴ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. For more information, see Technical Note.

⁵ The relative standard error (RSE) is the standard error expressed as a percent of the estimate. It can be used to calculate a "confidence interval" around a sample estimate. For more information about RSEs, see Technical Note.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately.

Table 6. Occupations¹ and levels,² New England: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1998

Occupations and levels	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
All	\$17.38	1.4	35.1	\$16.50	1.7	35.0	\$21.35	1.3	35.5
All excluding sales	17.55	1.4	35.4	16.64	1.7	35.4	21.39	1.3	35.5
White collar	21.17	1.4	35.5	20.38	1.7	35.7	24.20	1.8	34.6
1	6.99	1.0	22.2	6.83	1.0	22.3	9.49	4.7	19.7
2	8.39	2.0	29.1	8.08	2.2	28.4	9.45	4.8	31.9
3	10.60	1.9	33.8	10.10	2.2	33.8	12.38	2.0	34.0
4	12.24	1.2	35.8	11.98	1.3	36.2	13.63	2.4	34.2
5	14.12	1.5	35.6	13.90	1.6	36.1	15.57	2.7	32.9
6	16.06	2.1	36.7	15.79	2.3	37.1	17.68	2.2	34.6
7	19.27	1.9	36.1	18.41	1.0	36.3	22.72	5.6	35.2
8	20.15	1.6	35.9	19.46	1.7	36.3	23.86	3.6	34.2
9	26.19	1.7	36.5	23.24	2.1	37.5	31.16	2.9	35.0
10	26.57	1.5	38.3	26.40	1.5	38.1	27.50	4.7	39.8
11	31.03	1.4	38.7	30.86	1.9	39.2	31.65	2.1	37.1
12	39.05	2.4	39.0	39.28	2.9	39.4	37.99	2.0	37.3
13	48.90	2.2	38.3	48.70	2.3	38.4	50.71	3.3	37.7
14	56.84	5.9	41.2	58.01	6.5	40.5	-	-	-
Not able to be leveled	24.33	4.2	36.8	25.26	5.1	39.4	22.25	6.0	31.9
White collar excluding sales	21.87	1.3	36.2	21.17	1.6	36.7	24.29	1.8	34.6
1	7.90	2.0	24.1	7.40	3.0	25.8	9.53	4.8	19.7
2	9.03	3.3	32.8	8.82	4.0	33.2	9.47	5.0	32.0
3	10.71	2.1	34.4	10.33	2.4	34.6	11.97	2.0	33.7
4	12.44	1.3	36.1	12.17	1.4	36.6	13.64	2.4	34.1
5	14.15	1.5	35.4	13.93	1.6	35.8	15.50	2.7	32.8
6	16.21	1.9	36.5	15.94	2.1	36.8	17.74	2.2	34.5
7	19.27	1.9	36.0	18.39	1.0	36.2	22.75	5.6	35.1
8	20.48	1.7	35.4	19.76	1.8	35.7	23.86	3.6	34.2
9	26.03	1.5	36.3	22.75	1.4	37.2	31.16	2.9	35.0
10	26.47	1.6	38.1	26.26	1.6	37.8	27.50	4.7	39.8
11	30.71	1.2	38.6	30.42	1.6	39.1	31.65	2.1	37.1
12	38.52	2.3	39.0	38.63	2.8	39.3	37.99	2.0	37.3
13	48.81	2.1	38.2	48.59	2.3	38.3	50.71	3.3	37.7
14	56.84	5.9	41.2	58.01	6.5	40.5	-	-	-
Not able to be leveled	24.28	4.2	36.7	25.19	5.2	39.4	22.25	6.0	31.9
Professional specialty and technical	25.65	1.2	35.0	24.32	1.5	35.3	29.34	2.3	34.3
Professional specialty	27.73	1.2	34.9	26.70	1.6	35.1	29.95	2.3	34.4
5	11.79	2.6	28.4	11.91	2.7	33.1	11.17	7.4	16.9
6	18.24	7.8	32.8	17.39	9.8	32.5	22.17	6.0	33.8
7	20.83	3.5	33.0	18.97	1.3	32.6	25.20	6.0	34.0
8	22.27	1.8	32.9	21.35	2.0	32.6	24.95	4.2	33.8
9	27.58	2.0	34.8	22.88	2.3	34.9	31.87	3.3	34.7
10	26.97	2.2	37.0	26.62	2.1	36.5	28.86	8.5	40.1
11	30.69	1.1	38.1	30.68	1.8	38.5	30.75	2.3	36.5
12	39.02	2.0	37.8	38.53	2.5	38.0	41.18	.7	36.6
13	50.64	3.5	35.5	50.07	4.0	35.5	57.37	1.0	35.6
14	56.11	8.5	38.3	56.18	8.7	38.3	-	-	-
Not able to be leveled	25.14	5.6	36.6	25.90	7.1	38.1	23.53	7.3	33.8
Engineers, architects, and surveyors	29.91	1.9	39.9	30.04	2.0	40.3	28.81	3.8	37.1
7	20.42	3.1	40.7	20.42	3.1	40.7	-	-	-
8	20.71	1.7	40.0	20.71	1.7	40.0	-	-	-
9	24.67	1.3	40.4	24.46	1.4	40.6	-	-	-
10	27.28	2.6	40.4	27.28	2.6	40.4	-	-	-
11	30.54	1.7	39.4	30.75	2.3	40.1	-	-	-
12	37.34	1.5	40.0	37.34	1.5	40.0	-	-	-
13	45.34	3.9	40.0	45.34	3.9	40.0	-	-	-
Not able to be leveled	35.14	11.8	40.0	35.52	12.4	40.0	-	-	-
Aerospace engineers									
12	37.32	4.4	40.0	37.32	4.4	40.0	-	-	-
Chemical engineers	30.27	3.7	40.0	30.27	3.7	40.0	-	-	-
Civil engineers	26.65	6.9	38.9	24.30	8.6	41.1	-	-	-
Electrical and electronic engineers	32.04	3.3	40.1	32.06	3.4	40.1	-	-	-
9	24.43	1.9	40.4	23.91	2.1	40.4	-	-	-

See footnotes at end of table.

Table 6. Occupations ¹ and levels,² New England: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1998–Continued

Occupations and levels	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar –Continued									
Professional specialty and technical –Continued									
Professional specialty –Continued									
Engineers, architects, and surveyors –Continued									
Electrical and electronic engineers –Continued									
11	\$31.64	2.7	40.0	\$31.64	2.7	40.0	–	–	–
Industrial engineers	26.85	3.9	40.8	26.85	3.9	40.8	–	–	–
9	24.21	2.8	41.7	24.21	2.8	41.7	–	–	–
12	34.64	3.5	39.8	34.64	3.5	39.8	–	–	–
Mechanical engineers	26.67	3.7	40.8	26.67	3.7	40.8	–	–	–
9	24.87	5.2	40.0	24.87	5.2	40.0	–	–	–
Engineers, n.e.c.	30.58	3.2	39.6	30.88	3.6	40.0	–	–	–
9	24.99	2.5	40.0	24.99	2.5	40.0	–	–	–
10	26.55	4.8	40.0	26.55	4.8	40.0	–	–	–
11	30.62	3.0	38.7	32.60	3.6	40.0	–	–	–
12	37.73	2.8	40.0	37.73	2.8	40.0	–	–	–
Mathematical and computer scientists	29.23	3.0	39.6	29.54	3.0	39.7	–	–	–
7	19.93	3.5	38.5	19.93	3.5	38.5	–	–	–
9	24.47	2.0	39.6	24.93	1.9	39.9	–	–	–
10	28.87	2.6	39.3	28.87	2.6	39.3	–	–	–
11	30.15	2.2	40.1	30.17	2.2	40.1	–	–	–
12	34.04	2.5	39.4	34.04	2.5	39.4	–	–	–
13	44.73	5.5	40.0	44.73	5.5	40.0	–	–	–
Not able to be leveled	31.23	12.5	39.8	31.23	12.5	39.8	–	–	–
Computer systems analysts and scientists	29.87	3.3	39.6	30.16	3.4	39.7	–	–	–
7	19.89	3.4	38.6	19.89	3.4	38.6	–	–	–
9	24.74	2.0	39.7	25.14	2.2	40.0	–	–	–
10	28.87	2.6	39.3	28.87	2.6	39.3	–	–	–
11	30.56	1.8	40.1	30.58	1.8	40.1	–	–	–
12	34.25	2.7	39.3	34.25	2.7	39.3	–	–	–
13	44.73	5.5	40.0	44.73	5.5	40.0	–	–	–
Operations and systems researchers and analysts	24.51	4.9	39.3	25.02	4.8	39.5	–	–	–
9	21.38	6.5	38.5	22.20	6.2	38.8	–	–	–
Natural scientists	28.98	8.1	37.4	30.21	10.9	37.7	\$25.82	8.1	36.9
11	28.09	7.7	36.5	25.69	6.8	37.3	–	–	–
13	45.53	5.9	36.0	45.53	5.9	36.0	–	–	–
Chemists, except biochemists	29.88	17.2	38.8	29.97	17.8	38.8	–	–	–
Medical scientists	28.36	12.9	35.4	30.27	17.5	33.2	–	–	–
Health related	24.01	2.4	31.9	23.96	2.6	31.6	24.49	3.9	34.7
6	20.40	6.9	32.6	20.66	6.9	32.2	–	–	–
7	19.74	.9	29.6	19.56	1.0	29.6	23.45	3.4	29.7
8	22.42	2.1	31.0	22.16	2.4	30.8	24.25	5.2	31.8
9	22.65	1.9	32.9	22.42	2.0	32.4	24.51	3.9	37.3
10	24.28	5.1	37.6	25.18	3.2	35.8	–	–	–
11	28.06	2.8	35.1	27.67	2.8	35.5	29.57	7.4	33.5
12	52.08	17.2	31.8	52.08	17.2	31.8	–	–	–
14	74.56	10.2	35.1	76.35	10.7	34.9	–	–	–
Not able to be leveled	23.30	10.5	37.5	23.38	10.7	37.5	–	–	–
Physicians	43.64	9.8	38.3	45.44	8.9	37.7	–	–	–
14	74.56	10.2	35.1	76.35	10.7	34.9	–	–	–
Registered nurses	21.82	1.2	30.9	21.56	1.3	30.6	24.35	2.8	33.8
6	20.90	7.1	32.8	21.23	7.1	32.4	–	–	–
7	19.68	1.2	29.1	19.50	1.2	29.0	23.50	4.1	30.0
8	22.38	2.3	30.4	22.08	2.6	30.5	25.70	6.6	29.7
9	22.58	1.8	31.6	22.36	2.1	30.8	23.92	2.9	37.3
10	25.74	2.6	35.6	25.44	2.6	35.0	–	–	–
11	25.49	1.8	35.6	25.24	3.1	35.6	26.24	5.4	35.6
Pharmacists	26.37	2.5	34.4	26.37	2.5	34.4	–	–	–
Dietitians	17.93	3.6	30.6	17.89	3.8	30.2	–	–	–
Respiratory therapists	19.36	3.1	34.5	19.76	3.2	33.5	–	–	–
7	19.08	3.4	35.2	19.08	3.4	35.2	–	–	–

See footnotes at end of table.

Table 6. Occupations¹ and levels,² New England: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1998–Continued

Occupations and levels	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar –Continued									
Professional specialty and technical –Continued									
Professional specialty –Continued									
Health related –Continued									
Occupational therapists	\$22.12	6.0	33.8	\$22.12	6.0	33.8	–	–	–
Physical therapists	23.09	7.0	32.8	23.09	7.0	32.8	–	–	–
Therapists, n.e.c.	20.53	10.5	32.8	–	–	–	–	–	–
Physicians' assistants	33.08	4.7	40.0	33.08	4.7	40.0	–	–	–
Teachers, college and university	39.87	3.1	34.8	43.26	5.0	33.6	\$35.80	1.9	36.3
7	12.60	1.9	13.7	13.84	5.6	12.1	–	–	–
9	29.53	4.1	34.3	34.17	8.0	30.6	27.66	4.0	36.1
10	34.36	3.1	31.7	33.71	4.5	26.5	34.89	4.3	37.8
11	34.34	2.8	37.4	35.61	4.7	37.5	32.20	4.7	37.1
12	45.97	2.4	35.7	51.57	3.9	33.1	41.55	.9	38.0
13	63.56	7.1	33.0	63.51	8.5	32.7	–	–	–
Engineering teachers	51.82	21.0	27.8	–	–	–	–	–	–
Medical science teachers	40.95	5.0	34.5	40.95	5.0	34.5	–	–	–
Business, commerce, and marketing teachers ..	51.77	14.2	35.1	61.64	11.7	32.0	–	–	–
Art, drama, and music teachers	34.02	6.0	34.9	32.52	8.0	34.0	–	–	–
10	40.56	10.9	24.1	–	–	–	–	–	–
Education teachers	43.91	14.7	35.6	–	–	–	–	–	–
English teachers	40.43	7.6	34.7	41.65	12.3	32.8	–	–	–
12	43.56	6.9	37.5	–	–	–	–	–	–
Foreign language teachers	35.05	10.1	34.8	34.03	12.9	34.1	–	–	–
Trade and industrial teachers	29.13	4.7	36.6	–	–	–	–	–	–
Teachers, post secondary, subject not specified	35.61	11.0	33.3	37.09	12.6	34.6	–	–	–
Teachers, post secondary, n.e.c.	38.31	7.4	37.3	49.40	11.2	36.5	33.04	2.1	37.6
9	25.73	2.9	30.3	–	–	–	–	–	–
10	34.32	1.8	38.5	–	–	–	–	–	–
11	31.94	3.5	37.1	–	–	–	31.92	3.6	37.1
Teachers, except college and university	30.65	2.7	32.6	19.97	5.9	28.5	32.01	3.0	33.2
5	11.12	5.3	21.7	11.89	6.4	31.0	9.27	6.6	12.6
6	20.42	7.7	25.3	9.78	6.6	20.0	–	–	–
7	27.92	4.4	34.1	24.59	8.9	33.9	28.23	5.4	34.1
8	29.16	6.2	33.0	23.22	4.7	31.2	30.51	7.2	33.5
9	32.84	3.8	33.9	22.45	6.0	31.1	33.57	4.1	34.2
10	31.32	14.4	32.2	31.34	14.7	32.1	–	–	–
11	33.14	4.8	28.4	32.08	11.8	26.0	–	–	–
Prekindergarten and kindergarten	25.22	13.7	33.8	10.33	3.1	33.7	35.12	6.3	33.9
9	33.66	6.7	34.5	–	–	–	37.24	5.4	33.8
Elementary school teachers	32.45	2.6	34.0	25.30	11.0	39.3	32.71	2.6	33.9
7	28.32	4.0	34.2	–	–	–	28.11	4.2	34.1
9	33.67	2.8	34.1	–	–	–	34.04	2.9	33.9
Secondary school teachers	31.10	4.4	34.7	25.09	5.2	33.6	31.76	4.8	34.8
7	28.27	7.9	34.1	–	–	–	28.45	8.1	34.0
8	33.00	3.7	32.3	22.99	4.7	31.3	–	–	–
9	31.67	5.7	35.1	25.70	6.4	34.5	32.30	6.1	35.2
Teachers, special education	28.95	5.0	34.4	21.34	17.4	38.4	30.27	4.9	33.7
9	29.28	4.8	34.0	–	–	–	30.18	5.4	33.7
Teachers, n.e.c.	30.27	11.6	25.1	17.48	5.6	17.1	35.74	7.3	31.4
5	13.86	5.9	20.8	–	–	–	–	–	–
8	20.10	3.9	30.0	–	–	–	–	–	–
9	36.81	6.7	29.3	–	–	–	37.07	6.4	34.2
Substitute teachers	9.24	11.1	15.7	–	–	–	9.24	11.1	15.7
5	8.46	2.2	12.1	–	–	–	8.46	2.2	12.1
Vocational and educational counselors	28.58	4.7	32.5	23.09	4.3	34.6	30.00	5.6	32.0
8	18.74	16.8	34.8	–	–	–	–	–	–
9	36.31	13.5	28.0	–	–	–	–	–	–
Librarians, archivists, and curators	22.78	8.2	35.5	23.82	5.3	34.4	21.79	15.2	36.6
9	25.44	9.9	36.3	–	–	–	27.58	9.8	35.2
Librarians	22.80	8.8	36.6	24.00	6.0	36.6	21.79	15.2	36.6
9	25.44	9.9	36.3	–	–	–	27.58	9.8	35.2

See footnotes at end of table.

Table 6. Occupations¹ and levels,² New England: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1998–Continued

Occupations and levels	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar –Continued									
Professional specialty and technical –Continued									
Professional specialty –Continued									
Social scientists and urban planners	\$21.35	10.6	31.0	\$18.36	12.1	29.0	\$27.25	6.9	35.8
Economists	20.98	17.2	39.6	20.98	17.2	39.6	–	–	–
Social, recreation, and religious workers	16.77	4.0	34.6	14.06	4.3	33.3	21.09	4.0	37.0
5	10.61	.8	35.5	–	–	–	–	–	–
7	15.54	5.8	36.3	12.84	5.8	35.7	19.40	7.2	37.3
8	16.92	3.1	37.4	15.36	4.4	38.4	19.84	2.9	35.6
9	20.07	6.7	31.0	17.71	4.5	27.6	23.55	6.5	37.6
Social workers	16.89	4.2	35.0	14.02	4.5	33.7	21.21	4.1	37.3
7	15.57	6.4	37.3	12.45	6.4	37.4	19.40	7.2	37.3
8	16.93	3.2	37.2	15.24	4.8	38.2	19.84	2.9	35.6
9	20.12	6.9	31.5	17.70	4.6	28.2	23.55	6.5	37.6
Recreation workers	14.28	7.6	27.5	–	–	–	–	–	–
Lawyers and judges	33.75	5.8	40.0	33.70	7.9	45.8	33.78	8.1	36.9
Lawyers	32.61	6.0	40.2	33.70	7.9	45.8	–	–	–
Writers, authors, entertainers, athletes, and professionals, n.e.c.	21.65	5.8	36.3	22.37	5.8	37.4	15.04	1.1	29.0
7	17.11	4.7	37.5	17.20	5.0	37.5	–	–	–
8	18.21	7.7	39.3	18.90	10.5	39.0	–	–	–
9	21.16	3.9	36.5	21.16	4.0	36.8	–	–	–
11	31.92	4.2	39.4	31.92	4.2	39.4	–	–	–
12	36.55	4.6	37.5	36.55	4.6	37.5	–	–	–
Not able to be leveled	17.16	8.1	33.5	17.90	7.3	38.9	–	–	–
Technical writers	28.09	7.9	32.8	28.09	7.9	32.8	–	–	–
Designers	23.40	12.7	37.3	23.48	12.8	37.3	–	–	–
Painters, sculptors, craft artists, and artist printmakers	15.84	6.4	37.9	15.84	6.4	37.9	–	–	–
Not able to be leveled	15.84	6.4	37.9	15.84	6.4	37.9	–	–	–
Editors and reporters	22.18	15.0	39.2	22.18	15.0	39.2	–	–	–
Public relations specialists	19.91	8.7	37.9	21.99	9.8	37.8	–	–	–
Athletes	15.79	22.7	25.0	–	–	–	–	–	–
Not able to be leveled	15.79	22.7	25.0	–	–	–	–	–	–
Professional, n.e.c.	23.39	12.2	36.2	23.39	12.2	36.2	–	–	–
Technical	17.91	2.7	35.5	17.87	2.8	35.7	18.48	5.9	33.7
3	11.68	4.1	30.6	11.76	4.3	31.4	–	–	–
4	12.97	2.4	32.2	12.72	2.4	32.7	14.99	3.3	28.6
5	15.41	3.9	32.1	15.33	4.1	31.9	17.04	3.5	37.0
6	16.59	1.7	34.1	16.48	1.8	34.3	–	–	–
7	18.48	2.7	38.6	18.58	2.7	38.5	–	–	–
8	18.47	3.5	38.1	18.40	3.7	38.2	–	–	–
9	23.42	1.8	39.4	23.27	1.9	39.4	–	–	–
11	36.26	10.4	38.3	36.94	11.7	38.2	–	–	–
Not able to be leveled	20.14	14.2	35.4	17.50	10.5	40.5	–	–	–
Clinical laboratory technologists and technicians	15.92	4.4	35.8	15.93	4.5	35.9	–	–	–
4	12.05	1.7	36.2	11.92	1.5	36.8	–	–	–
5	12.34	5.6	31.8	12.25	5.7	31.6	–	–	–
6	16.74	3.9	39.0	16.74	3.9	39.0	–	–	–
7	16.82	11.6	36.4	16.82	11.6	36.4	–	–	–
8	17.50	6.2	37.0	17.50	6.2	37.0	–	–	–
Radiological technicians	21.52	5.6	29.4	21.52	5.6	29.4	–	–	–
6	20.18	3.0	31.9	20.18	3.0	31.9	–	–	–
7	25.38	9.0	30.3	25.38	9.0	30.3	–	–	–
Licensed practical nurses	15.79	1.7	29.3	15.87	1.8	28.6	14.98	4.1	37.8
4	15.42	2.8	32.3	15.53	2.6	31.4	14.88	4.4	38.1
5	15.93	2.9	27.8	15.90	3.0	27.4	–	–	–
6	16.80	4.4	29.3	16.89	4.3	28.7	–	–	–
Health technologists and technicians, n.e.c.	14.39	5.0	32.9	13.73	4.0	33.6	20.05	16.3	28.3
3	10.29	2.4	27.1	–	–	–	–	–	–
4	12.06	3.6	29.2	11.73	2.3	30.7	–	–	–

See footnotes at end of table.

Table 6. Occupations¹ and levels,² New England: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1998–Continued

Occupations and levels	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar –Continued									
Professional specialty and technical –Continued									
Technical –Continued									
Health technologists and technicians, n.e.c. –Continued									
5	\$12.77	11.0	37.6	–	–	–	–	–	–
6	15.56	6.6	32.9	\$15.08	6.0	32.8	–	–	–
7	18.09	4.8	36.1	18.09	4.8	36.1	–	–	–
Electrical and electronic technicians	18.53	2.9	39.5	18.55	3.1	39.7	–	–	–
6	16.08	3.1	39.3	15.64	3.4	40.0	–	–	–
7	18.94	1.9	39.9	18.94	1.9	39.9	–	–	–
8	19.29	4.0	38.7	19.54	4.0	38.8	–	–	–
Mechanical engineering technicians	19.25	4.4	40.0	19.25	4.4	40.0	–	–	–
Engineering technicians, n.e.c.	21.03	6.7	37.4	21.57	7.1	37.3	–	–	–
7	23.55	6.8	40.0	23.97	6.9	40.0	–	–	–
8	21.20	8.6	39.8	21.06	9.4	40.0	–	–	–
Drafters	18.81	3.1	40.0	18.81	3.1	40.0	–	–	–
5	19.28	7.1	40.0	19.28	7.1	40.0	–	–	–
Chemical technicians	14.93	5.7	39.7	14.93	5.7	39.7	–	–	–
Science technicians, n.e.c.	15.73	4.4	39.3	16.04	6.1	39.2	–	–	–
Computer programmers	24.57	7.6	39.0	24.85	7.9	39.1	–	–	–
9	22.57	4.2	38.1	22.53	4.3	38.1	–	–	–
Legal assistants	20.33	13.1	39.3	18.19	9.7	39.5	–	–	–
Technical and related, n.e.c.	20.48	7.3	39.0	20.26	7.8	39.8	–	–	–
7	20.72	4.3	39.8	20.72	4.3	39.8	–	–	–
Executive, administrative, and managerial									
5	28.54	2.1	39.7	28.60	2.4	40.4	\$28.25	3.7	36.8
6	14.93	6.6	38.9	13.53	1.3	39.7	–	–	–
7	16.26	3.5	40.0	16.36	4.4	41.5	–	–	–
8	17.68	1.2	38.5	17.38	1.0	39.1	18.83	3.4	36.6
9	18.56	3.3	38.8	18.36	3.6	39.4	20.09	3.5	34.7
10	22.67	2.5	40.2	22.48	2.8	40.6	23.93	2.7	37.6
11	25.53	3.3	40.1	25.47	3.8	40.2	25.79	3.3	39.4
12	30.12	1.9	39.6	29.03	2.0	40.3	33.02	4.0	37.9
13	38.07	4.0	40.3	38.84	4.8	40.8	34.49	2.5	38.0
14	47.60	2.6	40.2	47.59	2.8	40.4	47.73	2.6	38.8
Not able to be leveled	57.31	8.0	43.3	59.43	8.9	42.4	–	–	–
Executives, administrators, and managers	29.26	6.7	36.2	30.23	8.0	42.3	25.89	7.5	24.3
6	33.54	2.4	39.9	34.05	2.9	40.7	31.69	3.5	37.0
7	16.53	6.0	41.7	16.53	6.0	41.7	–	–	–
8	17.08	1.5	38.3	17.19	1.9	39.1	16.84	8.9	36.7
9	18.93	3.6	40.5	18.77	4.1	41.2	–	–	–
10	22.92	4.2	40.4	22.56	4.8	41.1	24.97	3.3	37.1
11	26.18	3.2	40.0	26.29	3.8	40.2	25.87	3.5	39.4
12	31.25	2.0	39.3	30.27	2.1	40.1	33.13	4.1	37.9
13	39.49	4.0	40.4	40.88	4.8	41.1	34.49	2.5	38.0
14	47.41	2.7	40.4	47.36	3.0	40.6	47.73	2.6	38.8
Not able to be leveled	57.37	8.1	43.4	59.51	9.0	42.4	–	–	–
Legislators	35.71	6.3	32.0	38.59	7.1	40.5	29.28	5.9	21.8
Not able to be leveled	25.86	4.5	18.6	–	–	–	25.86	4.5	18.6
Administrators and officials, public administration	25.86	4.5	18.6	–	–	–	25.86	4.5	18.6
9	26.51	8.1	37.0	–	–	–	27.25	8.2	36.8
Financial managers	24.31	3.0	37.2	–	–	–	24.31	3.0	37.2
9	34.47	3.8	40.2	34.73	4.2	40.5	32.16	2.7	37.6
11	21.77	2.8	39.4	21.51	3.0	39.6	–	–	–
12	31.96	3.6	40.6	31.54	4.3	41.4	–	–	–
13	35.93	6.5	41.5	37.68	6.4	42.6	–	–	–
Personnel and labor relations managers	47.03	2.9	40.6	47.04	2.9	40.6	–	–	–
Purchasing managers	25.82	25.3	46.3	25.82	25.3	46.3	–	–	–
12	32.04	8.8	41.6	32.04	8.8	41.6	–	–	–
12	38.70	2.9	43.3	38.70	2.9	43.3	–	–	–

See footnotes at end of table.

Table 6. Occupations ¹ and levels,² New England: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1998—Continued

Occupations and levels	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Executive, administrative, and managerial—Continued									
Executives, administrators, and managers—Continued									
Managers, marketing, advertising, and public relations									
9	\$40.55	8.4	40.9	\$40.55	8.4	40.9	—	—	—
12	25.28	8.8	42.0	25.28	8.8	42.0	—	—	—
13	38.34	3.2	39.7	38.34	3.2	39.7	—	—	—
13	47.13	6.3	42.2	47.13	6.3	42.2	—	—	—
Administrators, education and related fields									
9	34.78	5.5	37.7	31.90	9.4	36.6	\$36.27	6.2	38.3
9	25.41	4.7	32.9	24.07	3.6	31.8	—	—	—
10	27.04	10.5	37.4	—	—	—	—	—	—
11	33.22	6.2	37.7	—	—	—	35.05	5.7	37.6
12	38.55	3.5	37.3	40.73	7.5	39.9	36.68	1.3	35.4
13	43.98	2.7	39.6	—	—	—	—	—	—
Managers, medicine and health									
9	29.98	6.8	39.5	29.08	7.9	39.5	33.83	13.5	39.7
9	21.38	5.8	39.5	21.34	5.9	39.5	—	—	—
11	30.54	2.5	39.6	30.82	3.6	39.4	—	—	—
12	36.92	9.0	40.1	34.46	10.8	40.4	—	—	—
Managers, food servicing and lodging establishments									
	19.21	5.7	44.1	19.21	5.7	44.1	—	—	—
Managers, service organizations, n.e.c.									
7	21.83	10.8	39.7	21.95	11.1	39.7	—	—	—
7	14.40	8.7	39.0	—	—	—	—	—	—
Managers and administrators, n.e.c.									
7	37.36	3.4	40.5	37.79	3.6	40.7	32.86	7.0	38.3
7	20.54	4.4	37.6	19.44	5.5	39.4	—	—	—
8	20.68	4.6	42.8	20.68	4.6	42.8	—	—	—
9	25.34	4.9	40.6	25.52	5.3	40.7	—	—	—
10	27.84	3.8	40.5	27.92	3.8	40.5	—	—	—
11	31.51	2.3	39.3	31.10	2.7	39.8	—	—	—
12	43.46	8.1	41.1	43.65	8.2	41.2	—	—	—
13	46.04	3.0	40.2	46.10	3.2	40.1	—	—	—
14	55.65	7.7	41.9	55.79	8.0	41.9	—	—	—
Management related									
5	21.21	1.8	39.4	21.41	2.0	39.9	19.82	2.5	36.4
5	15.08	6.5	38.9	13.68	1.1	39.6	—	—	—
6	16.11	4.6	39.1	16.23	6.8	41.3	—	—	—
7	17.92	1.6	38.6	17.45	1.2	39.1	20.41	3.5	36.4
8	18.48	3.8	38.5	18.28	4.2	39.1	20.15	4.6	34.2
9	22.37	1.6	40.0	22.39	1.7	40.2	22.24	6.9	38.5
10	23.43	5.1	40.3	23.40	5.3	40.4	—	—	—
11	26.18	3.2	40.8	26.14	3.3	40.8	—	—	—
12	32.16	7.1	39.7	32.16	7.1	39.7	—	—	—
13	51.01	6.3	38.4	51.01	6.3	38.4	—	—	—
Not able to be leveled									
	22.47	7.0	42.1	23.21	7.6	43.9	—	—	—
Accountants and auditors									
	20.01	3.3	39.2	20.10	3.8	39.5	19.31	3.6	37.6
5	16.10	8.7	37.3	—	—	—	—	—	—
7	17.87	1.5	38.3	17.77	1.9	38.3	19.18	5.9	37.5
8	17.99	2.2	39.0	17.77	2.1	39.3	—	—	—
9	21.46	2.0	39.9	21.46	2.0	39.9	—	—	—
11	25.53	10.6	40.5	25.23	12.0	40.6	—	—	—
Underwriters									
	24.04	11.1	38.6	24.04	11.1	38.6	—	—	—
Other financial officers									
7	24.27	3.2	39.6	24.40	3.3	39.7	—	—	—
7	16.83	3.7	37.3	16.41	2.9	37.3	—	—	—
8	22.60	1.9	37.1	22.60	1.9	37.1	—	—	—
9	21.89	9.0	41.0	21.89	9.0	41.0	—	—	—
Management analysts									
	24.72	5.8	39.2	24.68	6.6	39.4	—	—	—
9	22.63	3.4	39.4	—	—	—	—	—	—
Personnel, training, and labor relations specialists									
	19.99	5.4	39.8	20.21	5.8	40.1	17.18	5.6	35.6
7	16.56	2.3	41.1	16.56	2.3	41.1	—	—	—
8	16.34	9.1	39.7	16.35	9.2	39.8	—	—	—
9	22.65	3.7	40.0	22.65	3.7	40.0	—	—	—

See footnotes at end of table.

Table 6. Occupations¹ and levels,² New England: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1998—Continued

Occupations and levels	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Executive, administrative, and managerial									
—Continued									
Management related—Continued									
Buyers, wholesale and retail trade, except farm products	\$23.55	7.4	41.3	\$23.55	7.4	41.3	—	—	—
Purchasing agents and buyers, n.e.c.	20.84	5.2	40.0	20.84	5.2	40.0	—	—	—
9	21.35	6.5	40.0	21.35	6.5	40.0	—	—	—
Construction inspectors	23.58	2.7	39.7	—	—	—	—	—	—
Inspectors and compliance officers, except construction	21.97	3.1	36.3	—	—	—	\$20.56	3.9	32.9
Management related, n.e.c.	20.98	4.3	39.6	21.25	5.2	40.5	19.87	8.6	36.0
5	14.31	1.3	42.8	14.32	1.3	43.6	—	—	—
6	15.15	6.6	38.3	15.82	9.2	39.7	—	—	—
7	18.01	3.3	38.9	17.82	4.2	40.1	—	—	—
8	18.82	4.1	38.5	18.08	4.2	38.9	—	—	—
9	23.06	3.2	39.6	22.85	3.6	40.0	—	—	—
11	24.99	5.6	42.1	24.99	5.6	42.1	—	—	—
Sales	14.56	7.1	30.3	14.53	7.2	30.2	15.72	5.5	35.7
1	6.69	.8	21.6	6.68	.8	21.6	—	—	—
2	6.95	2.3	23.2	6.93	2.3	23.1	—	—	—
3	9.93	4.2	31.0	8.86	2.4	30.2	16.65	5.3	37.3
4	10.99	3.9	34.2	10.98	3.9	34.1	—	—	—
5	13.73	4.7	38.2	13.58	4.6	38.2	—	—	—
6	14.38	7.9	39.8	14.38	8.1	39.8	—	—	—
7	19.04	7.3	41.0	19.17	7.7	41.0	—	—	—
8	16.99	6.2	41.7	16.99	6.2	41.7	—	—	—
9	29.53	18.0	40.6	29.53	18.0	40.6	—	—	—
10	28.06	5.3	41.3	28.06	5.3	41.3	—	—	—
11	35.93	9.7	40.4	35.93	9.7	40.4	—	—	—
12	57.39	13.2	40.0	57.39	13.2	40.0	—	—	—
Supervisors, sales	18.99	9.4	41.8	19.03	9.7	41.9	—	—	—
5	14.60	6.0	41.7	14.19	5.5	41.7	—	—	—
6	15.42	1.2	39.8	—	—	—	—	—	—
8	13.70	4.7	43.2	13.70	4.7	43.2	—	—	—
9	24.17	13.6	41.1	24.17	13.6	41.1	—	—	—
10	27.32	16.0	46.2	27.32	16.0	46.2	—	—	—
Insurance sales	25.35	4.2	39.8	25.35	4.2	39.8	—	—	—
Securities and financial services sales	29.47	24.5	41.4	29.47	24.5	41.4	—	—	—
Advertising and related sales	20.42	6.7	39.9	20.42	6.7	39.9	—	—	—
Sales, other business services	26.68	25.8	39.8	26.68	25.8	39.8	—	—	—
Sales representatives, mining, manufacturing, and wholesale	29.61	16.1	40.5	29.61	16.1	40.5	—	—	—
Sales workers, motor vehicles and boats	20.63	17.2	42.9	20.63	17.2	42.9	—	—	—
Sales workers, apparel	7.19	3.5	28.2	7.19	3.5	28.2	—	—	—
Sales workers, other commodities	10.50	10.5	27.6	10.49	10.6	27.5	—	—	—
1	6.93	2.3	21.0	6.93	2.3	21.0	—	—	—
2	7.08	3.1	23.8	7.08	3.1	23.8	—	—	—
3	10.07	5.6	30.4	9.77	6.9	29.2	—	—	—
4	9.75	6.3	30.0	9.75	6.3	30.0	—	—	—
Sales counter clerks	9.90	8.0	28.1	9.90	8.0	28.1	—	—	—
Cashiers	7.81	3.7	24.0	7.37	3.9	23.6	16.14	6.7	34.6
1	6.62	.5	21.2	6.61	.5	21.2	—	—	—
2	6.61	1.9	22.4	6.57	2.0	22.4	—	—	—
3	10.06	5.8	30.7	8.61	2.3	29.7	18.01	5.5	37.2
Sales support, n.e.c.	13.96	6.6	38.1	13.96	6.6	38.1	—	—	—
Administrative support, including clerical	12.93	1.7	35.9	12.83	1.8	36.5	13.31	3.0	34.0
1	7.90	2.0	24.1	7.40	3.0	25.8	9.53	4.8	19.7
2	9.03	3.3	32.9	8.82	4.0	33.3	9.46	5.0	32.0
3	10.69	2.1	34.7	10.30	2.5	35.0	11.98	2.1	33.9

See footnotes at end of table.

Table 6. Occupations¹ and levels,² New England: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1998—Continued

Occupations and levels	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Administrative support, including clerical—Continued									
4	\$12.37	1.5	37.0	\$12.08	1.6	37.5	\$13.60	2.5	35.0
5	14.03	1.7	37.3	13.76	1.9	37.4	15.51	1.7	36.5
6	15.53	1.8	37.8	15.30	1.9	38.4	16.78	4.6	34.8
7	18.29	1.9	38.4	18.04	2.2	38.6	19.52	2.2	37.2
8	17.47	4.4	41.1	17.48	4.5	41.1	—	—	—
9	22.53	5.1	39.4	22.54	5.1	39.4	—	—	—
Not able to be leveled	15.33	6.3	38.3	15.20	8.2	38.7	—	—	—
Supervisors, general office	17.26	4.8	39.6	17.12	4.8	39.6	—	—	—
7	18.66	6.7	37.7	18.34	7.1	37.6	—	—	—
9	18.19	1.7	40.4	18.15	1.8	40.5	—	—	—
Supervisors, financial records processing	19.33	7.4	39.3	19.33	7.4	39.3	—	—	—
5	15.71	5.7	39.1	15.71	5.7	39.1	—	—	—
9	27.09	9.1	39.2	27.09	9.1	39.2	—	—	—
Supervisors, distribution, scheduling, and adjusting clerks	20.33	1.2	39.2	20.33	1.2	39.2	—	—	—
Computer operators	15.64	4.7	37.6	15.64	4.9	37.6	—	—	—
4	13.48	3.7	35.6	13.48	3.7	35.5	—	—	—
5	14.55	8.5	36.3	14.35	9.3	36.2	—	—	—
6	16.10	9.7	38.2	16.10	9.7	38.2	—	—	—
Secretaries	14.65	1.7	36.7	14.15	1.9	37.0	16.21	3.0	35.8
2	9.56	1.6	31.2	—	—	—	—	—	—
3	10.42	5.0	34.5	10.38	5.2	34.5	—	—	—
4	12.80	3.2	37.0	12.29	1.8	37.8	15.08	9.0	33.8
5	14.12	2.0	36.1	13.73	2.9	36.1	15.07	2.7	36.1
6	15.95	2.1	37.7	15.58	2.5	37.9	16.93	1.8	37.5
7	18.76	4.7	37.9	18.68	6.1	37.8	19.03	4.3	38.3
Typists	12.98	3.2	33.9	12.65	9.2	29.1	13.06	3.2	35.2
3	12.19	5.3	31.0	—	—	—	12.61	4.3	33.2
4	14.22	1.6	36.6	—	—	—	—	—	—
Interviewers	11.60	2.3	32.7	11.66	2.8	31.4	11.39	3.1	38.3
3	10.53	3.5	29.1	10.49	3.6	29.4	—	—	—
4	11.66	3.1	33.0	11.83	3.3	32.0	—	—	—
Hotel clerks	9.28	4.8	31.7	9.28	4.8	31.7	—	—	—
Transportation ticket and reservation agents	13.74	2.4	37.6	13.74	2.4	37.6	—	—	—
4	12.79	8.8	36.6	12.79	8.8	36.6	—	—	—
Receptionists	9.68	3.6	35.0	9.59	3.7	36.1	11.01	5.9	24.4
2	8.67	4.5	34.9	8.54	4.4	37.2	—	—	—
3	9.55	1.8	32.9	9.49	2.2	33.4	—	—	—
4	11.64	6.3	37.2	11.50	6.9	37.3	—	—	—
Information clerks, n.e.c.	14.07	10.0	35.2	13.75	11.3	34.8	—	—	—
Correspondence clerks	12.44	9.8	34.4	12.44	9.8	34.4	—	—	—
Order clerks	12.56	4.8	37.1	12.56	4.8	37.1	—	—	—
3	10.07	7.1	32.1	10.07	7.1	32.1	—	—	—
4	12.71	3.3	38.2	12.71	3.3	38.2	—	—	—
5	12.37	4.3	40.0	12.37	4.3	40.0	—	—	—
Personnel clerks, except payroll and timekeeping	13.42	6.9	33.9	13.75	6.6	39.0	—	—	—
5	14.89	8.0	38.5	14.89	8.0	38.5	—	—	—
Library clerks	12.24	7.3	31.9	11.71	9.5	33.9	12.87	10.2	29.9
File clerks	8.73	6.9	34.3	8.73	6.9	34.3	—	—	—
Records clerks, n.e.c.	11.54	4.4	36.5	11.34	4.7	37.0	14.54	2.6	30.2
2	9.25	4.5	34.2	9.25	4.5	34.2	—	—	—
3	9.21	1.9	37.4	9.18	1.9	37.5	—	—	—
4	12.94	7.2	39.5	12.94	7.4	39.6	—	—	—
5	13.43	4.8	36.7	12.98	5.1	37.1	—	—	—
Bookkeepers, accounting and auditing clerks	12.97	2.0	36.2	12.43	2.3	36.0	15.21	3.0	36.9
2	9.21	3.7	31.7	9.21	3.7	31.7	—	—	—
3	10.97	3.3	33.4	10.88	3.8	32.9	—	—	—
4	12.34	2.8	37.9	11.92	2.9	38.0	14.08	5.5	37.6

See footnotes at end of table.

Table 6. Occupations ¹ and levels,² New England: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1998—Continued

Occupations and levels	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar—Continued									
Administrative support, including clerical—Continued									
Bookkeepers, accounting and auditing clerks—Continued									
5	\$14.62	2.7	37.0	\$13.40	3.3	37.4	\$16.88	8.9	36.3
6	14.94	6.4	39.8	14.70	6.5	39.9	—	—	—
7	18.68	3.9	38.0	18.38	4.3	38.0	—	—	—
Payroll and timekeeping clerks	12.87	5.8	37.1	12.61	7.1	37.4	—	—	—
4	11.46	6.9	38.7	11.40	8.1	39.4	—	—	—
Billing clerks	11.29	4.4	38.6	11.29	4.4	38.6	—	—	—
3	10.53	2.6	39.1	10.53	2.6	39.1	—	—	—
4	10.45	5.6	37.4	10.45	5.6	37.4	—	—	—
Duplicating machine operators	10.07	3.2	35.7	10.07	3.2	35.7	—	—	—
Telephone operators	10.57	5.9	30.7	10.64	5.9	31.6	—	—	—
2	10.82	8.4	30.8	10.96	8.1	32.6	—	—	—
3	10.92	8.6	30.5	10.90	8.7	30.4	—	—	—
Mail clerks, except postal service	8.79	4.7	28.2	8.71	4.6	28.0	—	—	—
Dispatchers	10.48	16.5	32.2	—	—	—	15.54	5.5	33.0
4	12.18	6.2	33.6	—	—	—	13.48	5.2	29.8
Production coordinators	16.37	5.9	39.5	16.37	5.9	39.5	—	—	—
7	18.74	4.9	39.2	18.74	4.9	39.2	—	—	—
Traffic, shipping and receiving clerks	12.05	5.8	38.5	12.05	5.8	38.5	—	—	—
3	9.97	14.0	36.6	9.97	14.0	36.6	—	—	—
4	12.40	5.7	39.6	12.40	5.7	39.6	—	—	—
5	14.39	3.5	40.0	14.39	3.5	40.0	—	—	—
Stock and inventory clerks	14.19	2.4	38.9	13.94	1.7	39.1	15.59	8.4	37.5
3	11.57	5.8	38.7	11.50	6.2	38.7	—	—	—
4	14.35	4.0	39.8	14.43	4.8	40.0	—	—	—
5	15.73	3.8	39.2	15.27	1.8	40.0	—	—	—
Material recording, scheduling, and distribution clerks, n.e.c.	11.73	3.0	35.9	11.65	3.5	35.1	—	—	—
Insurance adjusters, examiners, and investigators	15.35	2.4	38.3	15.35	2.4	38.3	—	—	—
3	11.23	1.5	39.3	11.23	1.5	39.3	—	—	—
4	12.98	2.8	39.2	12.98	2.8	39.2	—	—	—
5	14.04	3.0	36.4	14.04	3.0	36.4	—	—	—
6	15.54	2.6	37.8	15.54	2.6	37.8	—	—	—
7	17.24	4.3	39.0	17.24	4.3	39.0	—	—	—
9	21.34	2.4	38.7	21.34	2.4	38.7	—	—	—
Investigators and adjusters, except insurance ...	13.10	3.7	36.2	13.15	3.7	36.5	—	—	—
3	10.18	3.0	36.5	10.18	3.0	36.5	—	—	—
4	12.95	5.8	36.0	12.95	5.8	36.0	—	—	—
5	13.39	6.4	36.0	13.39	6.4	36.0	—	—	—
6	14.09	4.9	38.4	14.09	4.9	38.4	—	—	—
7	16.61	4.1	40.0	16.61	4.1	40.0	—	—	—
Bill and account collectors	12.93	4.4	39.6	12.93	4.4	39.6	—	—	—
5	12.22	3.1	39.6	12.22	3.1	39.6	—	—	—
General office clerks	12.68	2.1	35.7	12.19	3.1	35.6	13.49	1.8	36.0
2	9.99	5.5	31.7	8.85	2.4	31.2	11.99	1.4	32.5
3	12.10	4.0	34.2	11.37	6.9	33.2	12.87	2.0	35.4
4	12.60	3.5	37.7	11.59	4.9	38.1	14.10	2.3	37.2
5	14.23	2.0	39.2	13.77	1.4	39.2	—	—	—
Data entry keyers	10.58	5.2	37.1	9.70	4.1	37.2	—	—	—
2	8.54	1.9	37.3	8.54	1.9	37.3	—	—	—
3	10.89	8.1	36.6	9.44	7.3	36.3	—	—	—
Statistical clerks	11.82	6.3	32.9	11.84	6.3	32.9	—	—	—
Teachers' aides	10.28	5.3	32.8	10.54	9.3	35.0	10.28	5.4	32.8
2	8.91	3.7	33.7	—	—	—	8.91	3.7	33.7
3	11.02	5.1	33.1	—	—	—	11.05	5.1	33.0
4	11.98	1.4	32.9	—	—	—	11.97	1.5	32.8
Administrative support, n.e.c.	13.52	4.4	34.2	12.78	6.2	34.1	16.79	2.6	34.9

See footnotes at end of table.

Table 6. Occupations ¹ and levels,² New England: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1998—Continued

Occupations and levels	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
White collar —Continued									
Administrative support, including clerical —Continued									
Administrative support, n.e.c.—Continued									
1	\$6.80	7.4	23.0	—	—	—	—	—	—
3	10.30	2.6	35.7	\$10.30	2.6	35.7	—	—	—
4	13.17	5.8	36.8	13.44	6.9	36.7	—	—	—
5	15.05	5.7	36.3	14.28	11.3	36.8	—	—	—
6	19.05	11.1	36.3	—	—	—	—	—	—
Blue collar	13.24	2.6	37.7	12.97	2.7	37.6	\$16.59	2.7	39.4
1	8.11	7.1	31.4	8.06	7.2	31.4	11.46	9.1	31.9
2	9.68	3.7	36.6	9.65	3.8	36.6	11.09	4.5	39.2
3	10.99	3.5	39.5	10.93	3.6	39.5	12.97	5.1	39.9
4	12.63	2.2	39.4	12.49	2.4	39.4	13.88	4.2	39.5
5	14.99	2.4	39.9	14.71	2.6	39.9	17.19	3.9	39.5
6	16.75	4.0	39.6	16.67	4.5	39.6	17.39	4.0	39.8
7	19.06	1.5	39.9	19.01	1.6	39.9	19.28	4.1	39.8
8	20.11	2.8	40.3	20.02	2.9	40.3	—	—	—
9	24.76	2.9	39.9	25.35	2.5	39.9	—	—	—
Not able to be leveled	19.34	5.0	39.7	22.07	6.1	39.6	—	—	—
Precision production, craft, and repair	17.72	2.1	39.9	17.67	2.4	39.9	18.06	4.2	39.9
1	11.06	5.2	40.0	11.06	5.2	40.0	—	—	—
2	10.19	6.7	40.0	10.39	6.9	40.0	—	—	—
3	10.29	6.7	40.0	10.32	7.2	40.0	—	—	—
4	12.39	4.6	39.5	12.32	4.9	39.5	13.34	3.6	39.7
5	14.57	3.8	39.9	14.29	4.3	40.0	15.99	5.4	39.7
6	17.00	7.3	39.9	16.90	7.8	39.9	18.49	1.2	39.5
7	19.58	1.5	39.9	19.56	1.5	39.9	19.70	4.0	40.0
8	20.23	2.9	40.3	20.13	3.0	40.3	—	—	—
9	24.37	3.6	39.9	24.95	3.1	39.9	—	—	—
Supervisors, mechanics and repairers	24.03	2.6	40.5	23.97	2.7	40.6	—	—	—
7	25.71	3.5	39.6	—	—	—	—	—	—
Automobile mechanics	17.90	4.3	39.5	17.64	5.1	39.4	—	—	—
7	18.51	5.3	39.5	18.06	6.2	39.3	—	—	—
Bus, truck, and stationary engine mechanics	19.07	7.2	40.3	18.64	8.0	40.4	—	—	—
7	20.86	7.2	40.0	20.68	8.7	40.0	—	—	—
Industrial machinery repairers	16.11	4.1	39.9	16.11	4.1	39.9	—	—	—
4	13.16	1.7	39.7	13.16	1.7	39.7	—	—	—
7	16.68	2.9	39.7	16.68	2.9	39.7	—	—	—
Machinery maintenance	13.25	4.5	40.0	13.25	4.5	40.0	—	—	—
Electronic repairers, communications and industrial equipment	13.69	14.2	38.7	13.68	15.7	38.5	—	—	—
Heating, air conditioning, and refrigeration mechanics	—	—	—	—	—	—	—	—	—
7	19.07	4.7	40.0	19.18	5.0	40.0	—	—	—
Mechanics and repairers, n.e.c.	17.40	4.3	39.7	16.99	3.8	39.7	18.07	8.2	39.8
7	20.54	4.4	39.8	—	—	—	—	—	—
Supervisors, construction trades, n.e.c.	16.73	6.1	40.0	—	—	—	16.29	9.5	40.0
Carpenters	19.81	4.9	39.7	20.73	5.3	39.9	—	—	—
7	20.58	5.5	40.0	—	—	—	—	—	—
Electricians	20.52	9.4	40.0	20.94	11.3	40.0	19.14	5.8	40.0
7	17.52	4.1	40.0	16.66	4.1	40.0	18.85	6.6	40.0
Electrical power installers and repairers	23.58	2.8	40.0	23.51	3.2	40.0	—	—	—
7	23.17	4.2	40.0	22.96	5.0	40.0	—	—	—
Painters, construction and maintenance	17.15	5.3	40.0	—	—	—	15.78	6.2	40.0
Plumbers, pipefitters and steamfitters	20.66	4.2	40.0	21.72	3.3	40.0	—	—	—
7	21.44	4.1	40.0	22.97	1.4	40.0	—	—	—
Construction trades, n.e.c.	14.94	11.1	39.9	19.57	12.8	40.0	12.16	9.5	39.9
4	14.78	14.1	39.7	—	—	—	—	—	—
5	16.18	10.0	40.0	—	—	—	—	—	—

See footnotes at end of table.

Table 6. Occupations¹ and levels,² New England: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1998—Continued

Occupations and levels	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Precision production, craft, and repair—Continued									
Supervisors, production	\$18.37	3.5	40.6	\$18.37	3.5	40.6	—	—	—
7	18.30	5.3	41.7	18.30	5.3	41.7	—	—	—
9	24.03	3.4	39.8	24.03	3.4	39.8	—	—	—
Tool and die makers	17.28	5.2	40.0	17.28	5.2	40.0	—	—	—
7	17.20	3.7	40.0	17.20	3.7	40.0	—	—	—
Machinists	17.49	2.9	40.0	17.49	2.9	40.0	—	—	—
7	17.14	5.0	40.0	17.14	5.0	40.0	—	—	—
8	19.98	1.4	40.0	19.98	1.4	40.0	—	—	—
Sheet metal workers	17.26	5.1	40.0	17.26	5.1	40.0	—	—	—
Electrical and electronic equipment assemblers	12.13	4.4	40.0	12.13	4.4	40.0	—	—	—
1	11.06	5.5	40.0	11.06	5.5	40.0	—	—	—
4	12.36	7.3	40.0	12.36	7.3	40.0	—	—	—
5	13.07	6.6	40.0	13.07	6.6	40.0	—	—	—
Butchers and meat cutters	12.85	10.4	38.2	12.85	10.4	38.2	—	—	—
7	18.41	4.4	34.0	18.41	4.4	34.0	—	—	—
Inspectors, testers, and graders	15.04	6.7	39.7	15.06	6.8	40.0	—	—	—
Water and sewer treatment plant operators	17.78	2.9	40.0	—	—	—	—	—	—
Machine operators, assemblers, and inspectors	11.04	3.1	38.6	10.95	3.1	38.6	\$16.52	8.4	38.6
1	7.78	4.8	33.6	7.78	4.8	33.7	—	—	—
2	9.20	1.7	39.3	9.19	1.7	39.3	—	—	—
3	10.45	4.6	39.9	10.45	4.6	39.9	—	—	—
4	11.76	3.5	39.8	11.70	3.6	39.8	—	—	—
5	13.80	1.7	39.9	13.80	1.7	39.9	—	—	—
6	15.12	2.5	38.7	15.07	2.7	38.6	—	—	—
7	16.86	3.3	39.7	16.66	3.1	39.8	—	—	—
Lathe and turning machine operators	16.13	3.8	40.0	16.13	3.8	40.0	—	—	—
Punching and stamping press operators	10.27	2.2	39.5	10.27	2.2	39.5	—	—	—
Grinding, abrading, buffing, and polishing machine operators	8.19	10.5	40.0	8.19	10.5	40.0	—	—	—
Numerical control machine operators	14.18	1.1	40.0	14.18	1.1	40.0	—	—	—
Fabricating machine operators, n.e.c.	12.88	4.1	40.0	12.88	4.1	40.0	—	—	—
4	10.81	13.9	40.0	10.81	13.9	40.0	—	—	—
5	13.38	2.3	40.0	13.38	2.3	40.0	—	—	—
Molding and casting machine operators	10.72	6.3	39.9	10.72	6.3	39.9	—	—	—
3	9.30	6.0	40.0	9.30	6.0	40.0	—	—	—
Metal plating machine operators	12.64	4.2	40.0	12.64	4.2	40.0	—	—	—
Heat treating equipment operators	13.14	7.5	40.0	13.14	7.5	40.0	—	—	—
Printing press operators	14.40	4.9	38.7	14.40	4.9	38.7	—	—	—
7	17.18	4.5	39.8	17.18	4.5	39.8	—	—	—
Photoengravers and lithographers	13.90	12.7	39.7	13.90	12.7	39.7	—	—	—
Winding and twisting machine operators	10.16	.0	39.8	10.16	.0	39.8	—	—	—
3	10.53	2.3	39.9	10.53	2.3	39.9	—	—	—
Knitting, looping, taping, and weaving machine operators	10.56	.5	39.8	10.56	.5	39.8	—	—	—
Textile sewing machine operators	9.83	5.9	40.0	9.83	5.9	40.0	—	—	—
Laundering and dry cleaning machine operators	8.18	6.1	32.4	7.94	4.9	31.9	—	—	—
1	7.84	5.0	35.4	7.84	5.0	35.4	—	—	—
Packaging and filling machine operators	10.43	6.4	39.8	10.43	6.4	39.8	—	—	—
3	11.61	6.9	40.0	11.61	6.9	40.0	—	—	—
Extruding and forming machine operators	10.07	5.1	39.2	10.07	5.1	39.2	—	—	—
3	12.37	7.0	40.0	12.37	7.0	40.0	—	—	—
Mixing and blending machine operators	13.01	7.2	40.0	13.01	7.2	40.0	—	—	—
Compressing and compacting machine operators	10.70	9.9	34.1	10.70	9.9	34.1	—	—	—
Furnace, kiln, and oven operators, except food	14.57	4.9	39.2	—	—	—	—	—	—
Slicing and cutting machine operators	10.89	9.6	40.0	10.89	9.6	40.0	—	—	—
Miscellaneous machine operators, n.e.c.	10.52	6.6	38.8	10.39	6.4	38.8	—	—	—
2	9.19	3.5	40.0	9.19	3.5	40.0	—	—	—
3	10.53	5.7	39.8	10.53	5.7	39.8	—	—	—

See footnotes at end of table.

Table 6. Occupations¹ and levels,² New England: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1998—Continued

Occupations and levels	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Machine operators, assemblers, and inspectors—Continued									
Miscellaneous machine operators, n.e.c.—Continued									
4	\$12.83	4.6	40.0	\$12.83	4.6	40.0	—	—	—
5	13.18	2.6	40.0	13.18	2.6	40.0	—	—	—
6	14.42	6.7	40.0	14.42	6.7	40.0	—	—	—
Welders and cutters	14.78	3.3	40.0	14.56	3.9	40.0	—	—	—
5	15.72	5.2	40.0	15.72	5.2	40.0	—	—	—
7	15.04	4.4	40.0	—	—	—	—	—	—
Assemblers	9.89	2.4	34.9	9.89	2.4	34.9	—	—	—
1	7.15	5.1	25.5	7.15	5.1	25.5	—	—	—
2	8.61	3.4	40.0	8.61	3.4	40.0	—	—	—
3	10.03	3.2	40.0	10.03	3.2	40.0	—	—	—
4	10.40	6.9	39.8	10.40	6.9	39.8	—	—	—
Miscellaneous hand working, n.e.c.	8.53	5.9	40.0	8.53	5.9	40.0	—	—	—
Production inspectors, checkers and examiners	11.01	4.9	39.8	11.01	4.9	39.8	—	—	—
3	10.57	5.2	39.7	10.57	5.2	39.7	—	—	—
4	10.74	7.0	40.0	10.74	7.0	40.0	—	—	—
5	11.81	8.1	39.4	11.81	8.1	39.4	—	—	—
Production testers	12.41	2.7	40.0	12.41	2.7	40.0	—	—	—
Transportation and material moving	14.91	2.7	37.7	14.63	3.1	37.5	\$16.76	3.7	38.6
1	8.68	10.9	28.7	8.71	11.5	29.0	—	—	—
2	10.07	5.6	32.2	9.73	5.9	31.7	—	—	—
3	12.84	3.9	39.1	12.88	4.2	39.0	—	—	—
4	14.73	2.8	38.4	14.61	2.9	38.3	15.88	8.9	39.1
5	18.37	6.2	39.9	18.11	7.8	40.1	19.29	6.4	39.0
6	18.24	3.8	40.0	18.50	3.7	40.0	17.42	7.5	40.0
7	20.01	9.5	41.7	20.01	9.5	41.7	—	—	—
Truck drivers	15.09	3.3	38.5	15.23	3.5	38.5	13.38	4.5	37.9
2	11.22	5.6	40.0	—	—	—	—	—	—
3	12.68	4.9	38.7	12.75	5.5	38.5	—	—	—
4	15.23	3.2	39.5	15.32	3.4	39.5	—	—	—
5	17.06	9.5	39.5	17.06	9.5	39.5	—	—	—
6	18.76	3.6	40.0	18.71	3.7	40.0	—	—	—
Bus drivers	14.43	5.6	33.5	12.30	7.5	32.3	—	—	—
4	13.42	4.9	34.8	—	—	—	—	—	—
Motor transportation, n.e.c.	14.87	7.2	38.1	14.38	6.0	38.0	—	—	—
Supervisors, material moving equipment	16.57	8.7	44.0	16.57	8.7	44.0	—	—	—
Excavating and loading machine operators	23.92	4.9	40.0	24.25	4.9	40.0	—	—	—
5	24.19	5.9	40.0	24.19	5.9	40.0	—	—	—
Industrial truck and tractor equipment operators	12.68	4.1	38.7	12.65	4.2	38.7	—	—	—
3	12.16	6.2	39.6	12.16	6.2	39.6	—	—	—
4	13.56	7.0	40.0	13.56	7.0	40.0	—	—	—
Miscellaneous material moving equipment operators, n.e.c.	13.77	5.0	40.0	—	—	—	—	—	—
Handlers, equipment cleaners, helpers, and laborers	10.46	4.5	33.6	10.20	5.1	33.1	13.28	3.0	39.3
1	8.07	11.8	29.4	7.98	12.1	29.3	12.09	8.4	35.1
2	10.32	9.7	33.3	10.29	10.0	33.2	—	—	—
3	11.66	4.5	38.6	11.47	4.9	38.5	13.81	7.4	39.8
4	12.79	3.2	39.3	12.60	3.9	39.1	13.26	5.8	39.8
5	14.24	5.3	39.2	14.20	6.0	39.1	—	—	—
Groundskeepers and gardeners, except farm ...	12.10	5.6	40.1	11.46	9.8	40.3	12.91	1.5	40.0
3	10.80	6.7	40.3	9.93	7.5	40.4	—	—	—
Construction laborers	17.41	9.6	40.0	21.15	8.0	40.0	12.89	4.2	40.0
3	18.95	7.7	40.0	—	—	—	—	—	—
4	13.37	5.7	40.0	—	—	—	12.62	5.7	40.0
Production helpers	8.12	18.9	39.6	8.12	18.9	39.6	—	—	—

See footnotes at end of table.

Table 6. Occupations¹ and levels,² New England: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1998—Continued

Occupations and levels	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Blue collar—Continued									
Handlers, equipment cleaners, helpers, and laborers—Continued									
Stock handlers and baggers	\$8.80	3.1	28.3	\$8.80	3.1	28.3	—	—	—
1	7.25	2.7	22.7	7.25	2.7	22.7	—	—	—
2	7.53	3.4	26.7	7.53	3.4	26.7	—	—	—
3	9.02	7.6	36.1	9.02	7.6	36.1	—	—	—
4	11.63	7.3	39.4	11.63	7.3	39.4	—	—	—
Machine feeders and offbearers	8.78	16.6	37.5	8.78	16.6	37.5	—	—	—
Freight, stock, and material handlers, n.e.c.	11.04	5.9	32.4	11.03	5.9	32.4	—	—	—
1	7.68	.8	29.9	7.68	.8	29.9	—	—	—
2	10.14	9.2	29.1	10.14	9.2	29.1	—	—	—
3	11.90	7.1	37.1	11.90	7.1	37.1	—	—	—
4	13.22	13.0	36.3	13.22	13.0	36.3	—	—	—
Hand packers and packagers	8.53	5.4	32.6	8.53	5.4	32.6	—	—	—
1	7.18	3.5	27.2	7.18	3.5	27.2	—	—	—
2	9.22	13.5	40.0	9.22	13.5	40.0	—	—	—
3	10.43	3.3	40.0	10.43	3.3	40.0	—	—	—
Laborers, except construction, n.e.c.	10.36	4.0	36.3	9.83	4.6	36.1	\$14.14	10.0	37.5
1	7.26	2.2	31.5	7.03	1.6	31.4	—	—	—
2	9.43	1.4	36.9	9.43	1.4	36.9	—	—	—
3	11.98	8.6	39.9	11.25	10.5	40.0	—	—	—
4	13.75	6.2	39.6	13.14	5.5	39.8	—	—	—
Service	10.56	1.6	30.8	8.84	1.4	29.2	15.57	1.7	36.7
1	7.54	2.4	26.0	7.21	2.3	25.8	10.33	5.1	27.9
2	8.24	2.6	29.4	7.47	3.4	28.0	11.31	1.8	36.5
3	9.24	2.5	30.3	8.85	2.7	29.7	12.22	3.2	35.4
4	10.94	2.7	33.3	10.28	2.6	33.6	13.51	3.2	31.9
5	14.92	3.7	37.6	12.06	6.6	35.7	17.19	2.7	39.2
6	15.84	3.2	38.0	13.42	4.1	35.8	18.06	2.7	40.2
7	19.24	2.6	40.0	17.50	7.6	37.4	19.98	2.0	41.3
8	18.21	3.5	41.6	18.73	3.7	42.7	17.86	4.7	41.0
9	22.77	6.0	40.2	—	—	—	22.82	6.4	40.2
10	26.64	9.9	40.1	—	—	—	26.64	9.9	40.1
Not able to be leveled	9.90	6.7	40.1	—	—	—	—	—	—
Protective service	14.75	4.4	36.2	8.93	3.9	33.3	18.32	1.6	38.2
1	7.04	4.2	32.2	7.04	4.5	33.9	6.97	3.4	20.2
2	8.30	6.8	29.8	8.16	7.9	31.8	—	—	—
3	8.67	3.9	30.1	8.46	3.3	30.8	10.32	8.4	25.6
4	12.45	4.9	30.9	11.72	4.3	34.0	13.66	5.6	26.8
5	17.26	2.8	39.3	12.93	7.3	40.0	17.73	2.8	39.2
6	17.80	2.5	40.2	—	—	—	18.06	2.7	40.2
7	19.92	1.9	41.3	—	—	—	19.94	2.0	41.3
8	18.01	4.5	40.8	—	—	—	17.86	4.7	41.0
9	22.27	6.5	40.2	—	—	—	22.27	6.5	40.2
10	26.64	9.9	40.1	—	—	—	26.64	9.9	40.1
Supervisors, firefighters and fire prevention	22.79	2.1	41.7	—	—	—	22.79	2.1	41.7
Supervisors, police and detectives	24.54	6.0	39.6	—	—	—	24.54	6.0	39.6
Supervisors, guards	16.08	11.2	38.4	13.78	16.2	40.0	—	—	—
Firefighting	17.70	3.3	43.4	—	—	—	17.70	3.3	43.4
5	18.54	7.0	43.5	—	—	—	18.54	7.0	43.5
6	16.93	4.6	41.9	—	—	—	16.93	4.6	41.9
Police and detectives, public service	18.47	1.7	38.7	—	—	—	18.47	1.7	38.7
5	17.80	3.8	37.7	—	—	—	17.80	3.8	37.7
6	18.62	3.8	39.4	—	—	—	18.62	3.8	39.4
7	19.79	2.4	39.9	—	—	—	19.79	2.4	39.9
Sheriffs, bailiffs, and other law enforcement officers	16.35	7.0	39.2	—	—	—	16.35	7.0	39.2
Crossing guards	9.50	3.8	15.6	—	—	—	9.50	3.8	15.6
Guards and police, except public service	8.90	3.1	33.6	8.66	3.0	33.3	13.50	6.9	39.1
1	7.04	4.5	33.9	7.04	4.5	33.9	—	—	—

See footnotes at end of table.

Table 6. Occupations¹ and levels,² New England: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1998—Continued

Occupations and levels	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service—Continued									
Protective service—Continued									
Guards and police, except public service—Continued									
2	\$8.35	8.0	32.2	\$8.34	8.1	32.2	—	—	—
3	8.64	4.1	31.6	8.46	3.3	31.3	—	—	—
4	12.22	2.5	33.3	12.22	2.5	33.3	—	—	—
5	13.02	4.9	40.0	—	—	—	—	—	—
Protective service, n.e.c.	8.25	3.1	17.2	—	—	—	\$8.45	1.7	19.4
3	9.13	5.9	11.3	—	—	—	—	—	—
Food service	7.65	2.5	26.5	7.51	2.7	26.5	10.66	2.9	26.4
1	6.11	3.0	22.4	6.03	3.1	23.0	8.07	4.7	14.5
2	5.78	7.6	25.0	5.53	8.6	24.7	10.11	4.2	32.1
3	7.25	5.2	27.5	7.21	5.3	27.5	—	—	—
4	9.73	8.6	32.2	9.46	10.1	32.0	—	—	—
5	11.24	4.7	35.5	11.24	4.7	35.5	—	—	—
6	13.86	4.7	44.5	13.86	4.7	44.5	—	—	—
7	16.63	7.3	44.2	16.63	7.3	44.2	—	—	—
8	18.62	4.4	43.4	18.62	4.4	43.4	—	—	—
Supervisors, food preparation and service	14.70	3.4	42.3	14.70	3.4	42.3	—	—	—
7	16.78	8.2	44.6	16.78	8.2	44.6	—	—	—
Bartenders	6.79	12.1	25.2	6.79	12.1	25.2	—	—	—
3	7.20	10.5	26.1	7.20	10.5	26.1	—	—	—
Waiters and waitresses	4.05	13.2	23.5	4.05	13.2	23.5	—	—	—
1	3.32	10.0	22.5	3.32	10.0	22.5	—	—	—
2	4.39	20.0	24.2	4.39	20.0	24.2	—	—	—
3	3.71	16.7	22.1	3.71	16.7	22.1	—	—	—
Cooks	10.08	2.5	30.8	9.88	2.8	30.2	11.95	5.4	37.0
2	8.48	1.3	26.6	8.42	1.1	24.0	—	—	—
3	9.14	1.8	28.5	9.10	1.8	28.3	—	—	—
4	10.49	4.6	33.1	10.40	5.6	33.1	—	—	—
Food counter, fountain, and related	6.88	7.3	21.9	6.82	7.3	21.7	—	—	—
1	6.18	4.0	21.4	6.16	4.0	21.3	—	—	—
Kitchen workers, food preparation	7.05	3.9	27.4	7.03	4.0	27.7	—	—	—
1	5.84	4.2	21.9	5.83	4.2	22.3	—	—	—
2	7.22	2.4	25.9	7.13	2.2	26.4	—	—	—
3	7.46	7.0	39.5	7.46	7.0	39.5	—	—	—
Waiters/Waitresses' assistants	5.73	4.3	19.6	5.73	4.3	19.6	—	—	—
1	6.02	5.0	18.3	6.02	5.0	18.3	—	—	—
Food preparation, n.e.c.	7.75	2.5	25.9	7.52	2.8	26.6	9.61	3.5	21.7
1	7.42	3.3	24.1	7.36	3.5	25.8	8.11	5.1	14.7
2	7.65	3.7	25.9	7.08	4.1	25.0	11.18	.5	33.4
3	8.36	6.2	32.1	8.36	6.2	32.1	—	—	—
Health service	10.14	1.0	31.4	9.79	1.1	30.2	11.72	2.2	38.5
1	7.73	1.3	20.9	7.72	1.3	20.5	—	—	—
2	9.98	2.2	32.4	9.36	4.0	29.9	11.26	1.2	39.2
3	10.05	.9	30.4	9.71	1.0	29.4	12.06	3.8	37.6
4	10.56	2.9	33.7	10.26	2.0	33.4	13.42	12.2	37.0
5	10.63	4.2	36.8	10.38	4.3	36.3	—	—	—
6	11.00	7.5	32.7	11.00	7.5	32.7	—	—	—
Health aides, except nursing	9.75	2.1	27.8	9.67	2.3	27.4	10.71	2.8	33.3
1	7.67	1.0	20.4	7.67	1.0	20.4	—	—	—
2	9.08	6.4	26.0	9.08	6.4	26.0	—	—	—
3	8.91	1.3	28.8	8.74	1.2	29.2	—	—	—
4	10.61	3.4	31.6	10.54	3.9	30.7	—	—	—
5	11.57	5.5	36.6	11.58	6.2	36.2	—	—	—
Nursing aides, orderlies and attendants	10.20	1.1	32.2	9.79	1.3	30.9	11.80	2.3	39.0
2	10.05	2.2	33.0	9.39	4.4	30.4	11.26	1.2	39.2
3	10.17	1.0	30.5	9.81	1.0	29.4	12.29	3.6	39.3
4	10.45	3.3	33.9	10.09	2.0	33.6	13.99	12.4	36.6
Cleaning and building service	10.31	2.4	33.1	9.47	2.7	31.9	12.90	3.6	37.7
1	8.69	2.8	29.6	8.19	2.9	28.5	11.33	4.9	38.0
2	9.94	4.7	36.7	8.87	4.8	35.7	12.21	3.3	38.9

See footnotes at end of table.

Table 6. Occupations¹ and levels,² New England: Mean hourly earnings³ and weekly hours, private industry and State and local government, National Compensation Survey,⁴ 1998—Continued

Occupations and levels	Total			Private industry			State and local government		
	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours	Hourly earnings		Mean weekly hours
	Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)		Mean	Relative error ⁵ (percent)	
Service—Continued									
Cleaning and building service—Continued									
3	\$11.78	4.3	39.2	\$11.36	5.1	39.0	\$13.20	8.6	39.6
4	14.14	2.8	34.9	13.75	3.7	39.0	14.35	4.0	33.0
5	13.98	7.1	40.2	—	—	—	—	—	—
Supervisors, cleaning and building service workers	16.37	11.6	38.4	14.94	11.5	37.8	—	—	—
Maids and housemen	7.97	2.7	33.7	7.93	2.7	33.6	—	—	—
1	7.37	1.4	33.6	7.34	2.1	33.4	—	—	—
2	9.08	5.0	33.0	9.04	5.4	32.5	—	—	—
Janitors and cleaners	10.36	2.8	32.8	9.51	3.3	31.3	12.55	2.9	37.5
1	9.03	3.4	28.7	8.46	3.5	27.2	11.40	5.1	38.0
2	10.03	5.2	37.2	8.85	5.4	36.3	12.27	3.3	38.9
3	12.02	4.5	39.7	11.60	5.5	39.7	13.21	8.6	39.6
4	14.15	2.9	34.6	13.83	3.9	39.0	—	—	—
5	13.77	8.0	40.2	—	—	—	—	—	—
Personal service	10.41	5.9	27.2	10.17	6.9	27.3	11.99	5.4	26.4
1	6.88	3.1	17.4	6.37	1.5	18.0	8.53	5.3	15.9
2	7.65	4.5	25.4	7.61	4.9	25.6	—	—	—
3	10.05	3.8	28.5	9.16	7.0	26.9	—	—	—
4	9.78	5.3	33.6	9.57	6.1	34.8	—	—	—
5	16.45	27.3	29.0	16.47	31.9	28.1	—	—	—
6	12.89	4.4	30.6	12.89	4.4	30.6	—	—	—
Supervisors, personal service	12.85	5.6	41.0	12.11	1.7	41.1	—	—	—
Welfare service aides	10.77	6.7	22.5	10.31	8.5	21.0	—	—	—
2	8.92	7.1	23.9	8.92	7.1	23.9	—	—	—
3	11.09	8.8	25.6	10.06	9.5	22.2	—	—	—
Early childhood teachers' assistants	7.16	4.8	30.9	—	—	—	—	—	—
Child care workers, n.e.c.	8.83	5.9	26.4	8.49	6.4	28.8	10.74	2.8	17.9
1	7.68	6.5	13.7	—	—	—	8.74	8.3	11.6
2	7.82	7.8	29.9	—	—	—	—	—	—
3	10.24	2.6	28.4	—	—	—	—	—	—
4	10.58	3.6	31.5	10.54	3.9	30.7	—	—	—
Service, n.e.c.	10.36	5.0	29.1	10.25	5.8	30.7	10.84	8.9	23.9
2	7.75	8.1	21.7	7.70	10.9	22.3	—	—	—
3	10.61	6.4	30.5	—	—	—	—	—	—
4	10.46	7.1	32.4	—	—	—	—	—	—

¹ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. For more information, see Technical Note.

² Each occupation for which data are collected in an establishment is evaluated based on 10 factors, including knowledge, complexity, work environment, etc. Points are assigned based on the occupation's rank within each factor. The points are summed to determine the overall level of the occupation. See the Technical Note for more information.

³ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, and holidays; nonproduction bonuses; and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers,

weighted by hours.

⁴ In this census division, collection was conducted between May 1998 and April 1999. The average reference period was November 1998.

⁵ The relative standard error (RSE) is the standard error expressed as a percent of the estimate. It can be used to calculate a "confidence interval" around a sample estimate. For more information about RSEs, see Technical Note.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria, and n.e.c. means "not elsewhere classified." Overall occupational groups may include data for categories not shown separately.

Technical Note

The data in this bulletin are based on the National Compensation Survey (NCS) conducted by the Bureau of Labor Statistics throughout the year. The surveys are locality-based and cover establishments in private industry and State and local governments. Bulletins are issued for individual localities, when sufficient data meet publication standards. Agriculture, private households, and the Federal Government are excluded from the scope of the survey.

Survey scope. In the New England census division, the NCS studied 945 establishments with 50 or more workers,¹ representing 16,400 establishments within the scope of the survey. (See table A.) The number of workers represented by the survey is shown in table B. For purposes of this survey an establishment is an economic unit that produces goods or services, a central administrative office, or an auxiliary unit providing support services to a company. For private industry, an establishment is usually at a single physical location. For State and local government, an establishment is defined as all locations of a government entity.

Sampling frame. The list of establishments from which the survey sample was selected (sampling frame) was developed from the State unemployment insurance reports. The reference month for the public sector is June 1994. Due to the volatility of industries within the private sector, sampling frames were developed using the most recent month of reference available at the time the sample was selected. The reference month for the private sector is March 1996.

Sample design and data collection. The sample for this survey was selected using a three stage design. The first stage consisted of the selection of areas. The nationwide NCS sample consists of 154 metropolitan and nonmetropolitan areas that represent the Nation's 326 metropolitan statistical areas and the remaining portions of the 50 States. Metropolitan areas are designated Metropolitan Statistical Areas (MSA) or Consolidated Metropolitan Statistical Areas (CMSA), as defined in 1994 by the Office of Management and Budget. Nonmetropolitan areas are counties that do not fit the metropolitan area definition.

The NCS locality areas that contribute to the New England census division are:

Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA
Cheshire County, NH
Grafton County, NH
Hartford, CT MSA
Orange County, VT
Providence-Fall River-Warwick, RI-MA
MSA
Springfield, MA MSA

In the second stage, the sample of establishments was drawn by first stratifying the sampling frame by ownership and industry. The number of sample establishments allocated to each stratum is approximately proportional to the stratum employment. Each sampled establishment is selected within a stratum with a probability proportional to its employment. Use of this technique means that the larger an establishment's employment, the greater its chance of selection. Weights were applied to each establishment when the data were tabulated so that the establishment represents similar units (by industry and employment size) in the economy which were not selected for collection.

The third stage of sample selection was a probability sample of occupations within a sampled establishment. In New England, collection was conducted between May 1998 and April 1999 with an average reference period of November 1998. Additional information about the area sample and method of estimation is available in the *National Compensation Survey: Occupational Wages in the United States*, 1998, Bulletin 2529.

Occupational selection and classification. Identification of the occupations for which wage data were collected was a four-step process:

1. Probability-proportional-to-size selection of establishment jobs
2. Classification of jobs into occupations based on the Census of Population system
3. Characterization of jobs as full-time vs. part-time, union vs. nonunion, and time vs. incentive
4. Determination of the level of work of each job

For each occupation, wage data were collected for those workers who met all the criteria identified in the last three steps. Special procedures were developed for jobs for which a correct classification or level could not be determined.

In step one, the jobs to be sampled were selected at each establishment by the BLS field economist during a personal visit. A complete list of employees was used for sampling,

¹ Establishments classified as employing between 50 and 99 workers may include establishments with fewer than 50 workers because staff reductions may have taken place between the time of sampling and the time of data collection.

with each selected worker representing a job within the establishment. As with the selection of establishments, the selection of a job was based on probability proportional to its size in the establishment. The greater the number of people working in a job in the establishment, the greater its chance of selection.

The second step of the process entailed classifying the selected jobs into occupations based on their duties. The National Compensation Survey occupational classification system is based on the 1990 Census of Population. A selected job may fall into any one of about 480 occupational classifications, from accountant to wood lathe operator. In cases where a job's duties overlapped two or more census classification codes, the duties used to set the wage level were used to classify the job. Classification by primary duties was the fallback.

In step three, certain other job characteristics of the chosen workers were identified. First, the worker was identified as holding either a full-time or part-time job, based on the establishment's definition of those terms. Then the worker was classified as having a time versus incentive job, depending on whether any part of pay was directly based on the actual production of the workers, rather than solely on hours worked. Finally, the worker was identified as being in a union or a nonunion job.

The fourth step in the job classification procedure was to determine the work level of each of the establishment's selected jobs, using a *generic leveling* process. This process, involving discussions between the Bureau's field economist and the respondent, ranks and compares all selected establishment occupations using 10 leveling factors. For more information on generic leveling and an example of how to use the criteria for leveling a job, see appendix C and appendix D at <http://www.bls.gov/compub.htm> or any of our published NCS locality bulletins. This website also has a link to the NCS job descriptions.

Data reliability. The data in this bulletin are estimates from a scientifically selected probability sample. There are two types of errors possible in an estimate based on a sample survey, sampling and nonsampling.

Sampling errors occur because observations come only from a sample and not from an entire population. The sample used for this survey is one of a number of possible samples of the same size that could have been selected using the sample design. Estimates derived from the different samples would differ from each other.

A measure of the variation among these differing esti-

mates is called the standard error or sampling error. It indicates the precision with which an estimate from a particular sample approximates the average result of all possible samples. The relative standard error (RSE) is the standard error divided by the estimate. Tables in this bulletin provide RSE data for indicated series.

The relative standard error can be used to calculate a "confidence interval" around a sample estimate. As an example, suppose the mean hourly earnings for all workers was \$15.09 per hour with a relative standard error of 0.6 percent for this estimate. At the 90-percent level, the confidence interval for this estimate is \$15.24 to \$14.94 ($\$15.09 \times 1.645 \times 0.006 = \0.149 , rounded to \$0.15); ($\$15.09 + .15 = \15.24 ; $\$15.09 - .15 = \14.94). If all possible samples were selected to estimate the population value, the interval from each sample would include the true population value approximately 90 percent of the time.

Nonsampling errors also affect survey results. They can stem from many sources, such as inability to obtain information for some establishments, difficulties with survey definitions, inability of the respondents to provide correct information, or mistakes in recording or coding the data obtained. A Technical Reinterview Program done in all survey areas will be used in the development of a formal quality assessment process to help compute nonsampling error. Although they also were not specifically measured, efforts were made to minimize nonsampling errors by the extensive training of field economists who gathered survey data by personal visit, computer editing of the data, and detailed data review.

Census area divisions. Data are tabulated by census divisions defined as follows: **New England** — Connecticut, Massachusetts, New Hampshire, Maine, Vermont, and Rhode Island; **Middle Atlantic** — New Jersey, New York, and Pennsylvania; **East North Central** — Illinois, Indiana, Michigan, Ohio, and Wisconsin; **West North Central** — Iowa, Kansas, Minnesota, Missouri, North Dakota, South Dakota, and Nebraska; **South Atlantic** — Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, and West Virginia; **East South Central** — Alabama, Kentucky, Mississippi, and Tennessee; **West South Central** — Arkansas, Louisiana, Oklahoma, and Texas; **Mountain** — Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, and Nevada; and **Pacific** — Washington, Oregon, California, Hawaii, and Alaska. Some census divisions include Consolidated Metropolitan Statistical Areas (CMSAs) and Metropolitan Statistical Areas (MSAs) that cross State lines.

Table A. Number of establishments represented by the survey and number studied by industry group and establishment employment size, New England, National Compensation Survey, 1998

Industry division	Number of establishments represented ¹	Number of establishments studied						
		Total	50 - 99 workers	100 - 499 workers	500 - 999 workers	1000 - 2,499 workers	2,500 - 4,999 workers	5,000 or more workers
All	16,400	945	232	446	127	91	30	19
Private Industry	14,900	821	218	391	103	76	21	12
Goods-producing industries	4,400	227	56	106	37	21	5	2
Mining	(²)	3	2	1	-	-	-	-
Construction	300	18	8	9	-	1	-	-
Manufacturing	4,000	206	46	96	37	20	5	2
Durable goods	2,400	149	29	66	29	18	5	2
Fabricated metal products, except machinery and transportation equipment	400	20	6	9	5	-	-	-
Industrial and commercial machinery and computer equipment	300	23	3	11	5	4	-	-
Electronic and electrical equipment	400	26	5	12	5	2	1	1
Transportation equipment	100	17	2	5	2	3	4	1
Measuring, analyzing, and controlling instruments	200	22	1	8	7	6	-	-
Nondurable goods	1,600	57	17	30	8	2	-	-
Food and kindred products	200	10	4	5	1	-	-	-
Printing, publishing, and allied industries	400	22	5	12	3	2	-	-
Chemicals and allied products	(²)	5	1	3	1	-	-	-
Service-producing industries	10,600	594	162	285	66	55	16	10
Transportation and utilities	700	44	13	19	6	5	1	-
Wholesale trade	700	28	10	14	2	2	-	-
Retail trade	3,500	137	58	67	6	5	1	-
Finance, insurance and real estate	800	64	11	29	10	10	1	3
Depository institutions	300	16	4	6	1	4	-	1
Insurance carriers	200	30	2	14	7	5	1	1
Services	5,000	321	70	156	42	33	13	7
Business services	1,000	52	13	33	3	2	1	-
Educational services	300	65	17	23	17	2	3	3
Health services	1,700	130	15	62	16	24	9	4
Hospitals	400	63	2	11	13	24	9	4
Engineering, accounting, research, management, and related services	300	12	3	5	1	3	-	-
State and local government	1,500	124	14	55	24	15	9	7
Health services	100	16	1	9	1	2	2	1
Hospitals	(²)	6	-	1	1	2	2	-

¹ Number of establishments represented by the survey rounded to the nearest 100.

² Number of establishments represented by the survey is fewer than 50.

NOTE: Dashes indicate that no data were reported. Overall industry and industry groups may include data for categories not shown separately.

Table B. **Number of workers¹ represented by the survey, by occupational group,² New England, National Compensation Survey,³ 1998**

Occupational group	All industries	Private industry	State and local government
All	2,895,900	2,319,600	576,300
All excluding sales	2,711,300	2,138,500	572,800
White collar	1,685,500	1,278,100	407,400
White collar excluding sales	1,500,900	1,097,100	403,800
Professional specialty and technical	735,900	503,400	232,500
Professional specialty occupations	594,500	372,300	222,300
Technical occupations	141,300	131,100	10,200
Executive, administrative, and managerial	258,600	206,700	51,900
Sales	184,600	181,000	3,600
Administrative support, including clerical	506,400	387,000	119,500
Blue collar	645,400	599,500	45,900
Precision production, craft, and repair	172,800	150,200	22,700
Machine operators, assemblers, and inspectors	257,100	253,000	4,000
Transportation and material moving	69,300	60,900	8,300
Handlers, equipment cleaners, helpers, and laborers	146,200	135,400	10,800
Service	565,100	442,000	123,100

¹ Number of workers represented by the survey are rounded to the nearest 100. Estimates of the number of workers provide a description of size and composition of the labor force included in the survey. Estimates are not intended, however, for comparison with other statistical series to measure employment trends or levels. Both full-time and part-time workers were included in the survey.

² A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. For more information, see Technical Note.

³ In this census division, collection was conducted between May 1998 and April 1999. The average reference period was November 1998.